Extron Electronics

INTERFACING, SWITCHING AND CONTROL

2015 NEW PRODUCTS

FIRST EDITION

Extron®

Satisfaction Guarantee

As a leading manufacturer in the AV industry, we are committed to engineering and manufacturing our products to the highest standards of quality, performance, and value. From our advanced product design, manufacturing and quality control procedures to our friendly and knowledgeable support teams, our commitment to satisfy you is paramount. In every interaction with Extron, you can be confident you will receive our S3 commitment to Service, Support, and Solutions. For 32 years, our objective has been to ensure that every customer is completely satisfied with every purchase.

To underscore this commitment, we offer our Satisfaction Guarantee. This means we will work diligently to resolve any issue you have with your purchase until you are completely satisfied. Extron employees are prepared to do whatever it takes to make certain that the entire process of doing business with us is a positive and professionally rewarding experience for you.

I'm so confident in our ability to deliver on this pledge that I back it personally. If you are not satisfied with any part of your transaction with Extron, I want to know. Please contact me at president@extron.com. I will personally address any unresolved customer issue. We greatly appreciate your business. It is our intent to keep you as a customer for life.

Andrew C. Edwards

President

EXTRON SCALING AND SIGNAL PROCESSING

Pro AV Scaling for Every Application

When it comes to delivering the best possible image quality, Extron has the proven technology and expertise to do it right. For over 20 years, Extron has been engineering and designing scaling and signal processing solutions for uncompromised image clarity and mission-critical performance, with an unwavering commitment to continually refining our technologies. When only the best will do for your system designs, choose Extron with confidence for all your scaling and signal processing requirements.

The Industry's Largest Offering of Scaling Products

Extron offers an expansive family of scaling products with an unmatched breadth of features and input/output options. Select the ideal configuration for your application from an array of single-input scalers, multi-input scalers, cross conversion scalers, scaling presentation switchers, multi-window processors, videowall processors, and many other products.

Advanced Signal Processing Features

Extron-engineered signal processing technologies maximize image quality, ensure signal format compatibility, and deliver consistently reliable system performance. They include 30-bit video processing, highly accurate pulldown detection and film content rendering, aspect ratio control, and more.

Unparalleled Scaling Quality

To meet our exact specifications for the best possible performance, we engineer our scaling engines from the ground up. Our exclusive video processing algorithms deliver precise upscaling and downscaling for superior image detail and fidelity, and our highly advanced deinterlacing algorithms ensure premium image quality from any interlaced source content.

Integrator-Friendly Features

Extron scaling and signal processing products are widely recognized in the pro AV industry for a host of time-saving features that streamline integration and system operation, including EDID and HDCP management, virtually instantaneous source switching, automatic memory presets, and video test patterns.

Extron Scaling and Signal Processing Features

- **30-Bit Deep Color Processing**
  Extron video processing algorithms are executed at 30-bit color resolution to maximize grayscale and color accuracy, allowing full preservation of visual information within the original imagery.
- **Motion Adaptive Deinterlacing**
  Extron's deinterlacing algorithms estimate motion with single-pixel precision for highly accurate motion interpolation in the reconstructed progressive video content.
- **Automatic Film Cadence Detection**
  We designed our patented 3:2, 2:2, and 24:1 cadence detection and frame construction processing to deliver unparalleled detail, image fidelity, and highly accurate rendering of 24 fps film content.
- **AFL™ - Accu-RATE Frame Lock**
  For 24 fps camera video and other content that must be presented at its native frame rate, Extron Accu-RATE Frame Lock analyzes the source signal, and then locks the output frame rate to match it.
- **Aspect Ratio Control**
  Extron Aspect Ratio Control automatically detects the source aspect ratio, and provides the options to deliver a consistent, full-screen image to the display, or to retain the original aspect ratio of the source content.
- **Internal Test Patterns**
  All Extron scaling and signal processing products are equipped with a series of video test patterns to help you get your display running to its full potential.

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

SCALERS

IN1604

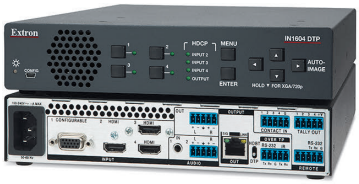
Four Input HDCP-Compliant Scaler

The Extron IN1604 DTP and IN1604 HD are HDCP-compliant scalers with three HDMI inputs, a universal analog video input, and an Extron DTP™ or HDMI output, in a compact 1U, half rack enclosure. The IN1604 is ideal for installation beneath conference tables and in lecterns to provide localized switching support for sources such as presenter devices. The IN1604 DTP output allows signal extension up to 330 feet (100 meters) over shielded CATx cable to reach a wall or ceiling-mounted display. Both IN1604 models provide the convenience of fast and reliable switching, along with a high performance scaling engine for HDMI and analog video sources. Also included are a host of audio processing features and many versatile options for control.

FEATURES

- Integrates HDMI, analog video, and audio sources into presentation systems
- Three HDMI inputs and one universal analog video input
- Available with DTP or HDMI output
- Auto-switching between inputs
- Selectable output rates from 640x480 to 1920x1200, including 1080p/60 and 2K
- Advanced scaling engine with 30–bit precision processing and motion-adaptive deinterlacing for signals up to 1080i
- Available integrated DTP output supports transmission of HDMI, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable:
  - Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
  - Bidirectional RS–232 and IR pass-through for AV device control
  - Remote powering of DTP receiver
  - Compatible with all DTP 230 and DTP 330 Series receivers, and DTP–enabled products
  - DTP output is compatible with HDBaseT–enabled devices
- HDMI audio embedding
- HDMI audio de–embedding
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP–encrypted content
- RS–232 control port
- Contact closure remote control with tally output
- Front panel USB configuration port
- Compact 1U, half rack width metal enclosure

IN1604 HD



IN1604 DTP

NOW SHIPPING

Model	Version Description	Part Number
IN1604 DTP	Four Input Scaler with DTP Output	60-1457-01
IN1604 HD	Four Input Scaler with HDMI Output	60-1457-02

DSC HD-HD

HDMI to HDMI Scaler

The Extron DSC HD–HD is a compact high performance, HDCP-compliant scaler that converts between HDMI resolutions and frame rates. It accepts video from 480i up to 1920x1200, 1080p, and 2K, and offers high performance upscaling and downscaling with multiple output rates up to 1920x1200, including 1080p/60 and 2K. The DSC HD–HD features advanced Extron video signal processing with 1080i deinterlacing and Deep Color processing for optimal image quality. It includes many integrator-friendly features such as on–screen display, test patterns, and EDID Minder®. The DSC HD–HD is ideal for applications that require scaling HDMI video to match the different capabilities and requirements of sources, displays, videoconferencing codecs, and other equipment. The compact form factor allows simple integration at a source, destination, or in a distribution system.

FEATURES

- HDMI video cross conversion
- Accepts HDMI video from 480i up to 1920x1200, 1080p/60, and 2K
- Advanced scaling engine with 30–bit precision processing and motion-adaptive deinterlacing for signals up to 1080i
- Selectable output rates from 640x480 to 1920x1200, including 1080p/60 and 2K
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- On–screen menus
- Internal video test patterns and pink noise generator for calibration and setup
- Front panel USB configuration port

NOW SHIPPING

Model	Version Description	Part Number
DSC HD-HD	HDMI to HDMI Scaler	60-1489-01

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

SCALERS

DSC DP-HD A

DisplayPort to HDMI Scaler with Audio De-Embedding

NOW SHIPPING

The Extron DSC DP–HD A is a high performance, HDCP-compliant scaler that converts DisplayPort signals to HDMI. It accepts DisplayPort video at resolutions up to 3840x2160 @ 30 Hz with reduced blanking, and offers high performance scaling with multiple output rates up to 1920x1200, including 1080p/60 and 2K. The DSC DP–HD A features advanced Extron video signal processing with 1080i deinterlacing and Deep Color processing for optimal image quality. It includes many integrator-friendly features such as auto-memory presets, on–screen display, test patterns, EDID Minder®, stereo audio de–embedding, and a DisplayPort input loop-through, while the compact enclosure simplifies installation. The DSC DP–HD A is ideal for interfacing high resolution DisplayPort signals into AV systems with an HDMI switching and distribution infrastructure.

FEATURES

- DisplayPort to HDMI video scaling
- Accepts DisplayPort signals up to 3840x2160 @ 30 Hz with reduced blanking
- Buffered DisplayPort input loop–through enables local monitoring at original signal resolution
- Advanced scaling engine with 30–bit precision processing and motion-adaptive deinterlacing for signals up to 1080i
- DisplayPort audio de–embedding
- Selectable output rates from 640x480 to 1920x1200, including 1080p/60 and 2K
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Supports DisplayPort data rates up to 10.8 Gbps
- On–screen menus
- Internal video test patterns and pink noise generator for calibration and setup
- RS–232 control port
- Front panel USB configuration port

Model	Version Description	Part Number
DSC DP-HD A	DisplayPort to HDMI Scaler with Audio De-Embedding	60-1454-01

DSC 3G-3G A

3G-SDI to 3G-SDI Scaler with Audio Embedding and De-Embedding

NOW SHIPPING

The Extron DSC 3G–3G A is a high performance 3G–SDI scaler that converts between 3G–SDI, HD–SDI, and SDI resolutions and frame rates. It accepts, scales, and outputs SMPTE video resolutions from 480i and 576i up to 1080p/60 and 2K. The DSC 3G–3G A features advanced Extron video signal processing with 1080i deinterlacing and Deep Color processing for optimal image quality. The DSC 3G–3G A also provides flexible audio capability with analog audio embedding, de–embedding, and level adjustments. Dual SDI outputs, genlock, and an input loop–through facilitate integration in demanding professional environments, while the compact enclosure simplifies installation. The DSC 3G–3G A is ideal for applications with professional video systems, including video editing and production, rental and staging, medical imaging, and large-scale presentations.

FEATURES

- 3G–SDI video cross conversion
- Accepts 3G–SDI/HD–SDI/SDI signals up to 2.97 Gbps
- Two simultaneous 3G–SDI/HD–SDI/SDI outputs
- Advanced scaling engine with 30–bit precision processing and motion-adaptive deinterlacing for signals up to 1080i
- SDI audio embedding
- SDI audio de–embedding
- Selectable output rates from 480i and 576i to 1080p/60 and 2K
- Input equalization and reclocking on buffered loop–through
- Genlock input with loop–through
- On–screen menus
- Internal video test patterns and pink noise generator for calibration and setup
- RS–232 control port
- Front panel USB configuration port

Model	Version Description	Part Number
DSC 3G-3G A	3G-SDI to 3G-SDI Scaler	60-1453-01

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

EXTRON DTP SYSTEMS

A Complete System Integration Platform with Powerful AV Capabilities

The Extron DTP Systems product family is the most comprehensive in the AV industry for integrating switching, distribution, and processing in small to mid-sized systems. This family includes numerous different extender models in a wide variety of form factors and video formats, plus a broad offering of distribution amplifiers, switchers, and matrix switchers with essential AV signal processing and control features. DTP Systems allow complete flexibility in designing systems precisely to your application and budget requirements.

Powerful Integration Capabilities

The comprehensive product lineup delivers all the powerful integration capabilities required to create a flexible and reliable AV switching and distribution system. They include scaling, signal processing, switching, matrix switching, audio amplification, audio DSP, and AV system control products.

Flexible System Designs

DTP Systems provide a complete system integration solution that supports 4K, accommodates digital and analog video formats, and provides all the components that are essential to any AV system. These systems transmit video, audio, and bidirectional control, plus provide remote power over a shielded CATx cable to streamline system design and installation.

DTP Systems support DTP 230 signal extension up to 230 feet (70 meters) or DTP 330 signal extension up to 330 feet (100 meters) for a cost-effective solution that accommodates distance requirements in various applications. A range of single input and multi-input extenders are available in compact, low-profile enclosures, plus wallplate and floor box versions for flexibility in placing connections wherever needed for local and remote sources and displays.

Reliability, Performance, and Ease of Operation

DTP Systems include many features that maximize reliability, performance, and ease of operation, such as Extron EDID Minder® and Key Minder®. Select switcher models feature ProDSP™ for full audio system design and optimization, and a built-in IPCP Pro 350 control processor to provide complete AV system control. Additionally, DTP cable and accessories ensure maximum performance and integrity over the entire DTP cable infrastructure.

HDBaseT Compatibility

Select DTP System models can deliver an HDBaseT-compatible output with digital video and embedded audio, plus bidirectional RS-232 and IR signals to an HDBaseT-enabled display. This allows even greater flexibility for your AV system designs and integration requirements.

XTP Systems for Facility-Wide Applications

For large-scale AV switching and distribution in a facility, Extron XTP System products enable a complete system integration platform with modular XTP CrossPoint matrix switchers, a selection of input and output boards, and a wide range of extender models. Additionally, DTP CrossPoint matrix switchers installed in rooms can be integrated into a central XTP CrossPoint matrix switcher for a complete, end-to-end distribution system throughout a facility.

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

DTP SYSTEMS

DTP CrossPoint 84

8x4 Scaling Presentation Matrix Switchers with DTP Extension

The Extron DTP CrossPoint® 84 is a 4K, 8x4 matrix switcher with HDMI and DTP™ twisted pair inputs and outputs, scaling, comprehensive audio DSP, an integrated audio power amplifier, and a built-in IPCP Pro 350 control processor. The DTP CrossPoint 84 provides complete system integration in a 2U enclosure, for applications with multiple displays, sound reinforcement, and AV system control. It supports local and remote sources and displays with six HDMI inputs and two DTP inputs, plus two HDMI outputs and two DTP outputs. DTP extension allows connection to DTP endpoints, plus XTP® matrix switchers. Each DTP output also includes independent scaling up to 1080p and 2K. Full audio optimization is available with an integrated Extron ProDSP™ audio digital signal processor, which can be linked to an additional Extron DSP for AEC and I/O expansion.

FEATURES

- All-in-one 8x4 4K matrix switcher, scaler, audio DSP, audio power amplifier, and control processor
- Two DTP inputs and six HDMI inputs
- Two HDMI outputs and two independently scaled DTP outputs
- Integrated DTP inputs and outputs support transmission of video, control, and audio up to 330 feet (100 meters) over a shielded CATx cable
- Supports 4K signals at all inputs and on both HDMI outputs
- Selectable scaled DTP output rates from 640 x 480 to 1920x1200, including 1080p/60 and 2K
- Compatible with DTP 230 Series and DTP 330 Series, plus XTP CrossPoint matrix switchers
- DTP outputs are compatible with HDBaseT-enabled devices
- Compatible with CATx shielded twisted pair cable
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Remote powering of DTP transmitters and receivers
- RS-232 insertion from the Ethernet control port
- Bidirectional RS-232 and IR insertion for AV device control
- Available with Energy efficient Class D stereo or mono amplifier:
  2 x 50 watts @ 4 ohms or 2 x 25 watts @ 8 ohms
  1 x 100 watts @ 70 volts
- Available with Integrated IPCP Pro 350 control processor:
  - Supports TouchLink® Pro touchpanels
  - Supports secure industry standard communications protocols
  - Supports LinkLicense™
  - Two bidirectional RS-232 ports with software handshaking
  - One bidirectional RS-232/RS-422/RS-485 port with hardware and software handshaking
  - Two IR/Serial ports for one-way control of external devices
  - Four Digital I/O ports
  - Four relays for controlling room functions
  - Integrated three port network switch
  - Supports 10/100/1000Base-T
  - Supports Ethernet-controllable devices
  - Fully customizable using Extron control system software
  - Controller groups
- HDMI audio embedding and de-embedding
- Output volume control
- Audio input gain and attenuation
- Audio breakaway
- S/PDIF audio output
- Integrated audio digital signal processor with ProDSP™ 32/64-bit processing
- Digital audio expansion port provides interfacing to an Extron DMP 128 processor for AEC and audio system scalability
- Four mic/line inputs with 48 volt phantom power
- Mic ducking
- DSP Configurator™ Software
- HDCP compliant
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- Ethernet monitoring and control
- Front panel USB configuration port
- Easy setup and commissioning with Extron's PCS - Product Configuration Software
- Rack-mountable 2U, full rack width metal enclosure
- Highly reliable, energy-efficient internal universal power supply

DTP CrossPoint 84 IPCP SA

DTP CrossPoint 84 IPCP MA 70

DTP CrossPoint 84
Preamp Output, without Amplifier and Control Processor

NOW SHIPPING

Model	Version Description	Part Number
DTP CrossPoint 84	Preamp Output, w/o Amplifier and Control Processor	60-1368-01
DTP CrossPoint 84 IPCP SA	2 x 50 Watt Stereo Power Amplifier	60-1368-12
DTP CrossPoint 84 IPCP SA	2 x 50 Watt Stereo Power Amplifier, LinkLicense	60-1368-12A
DTP CrossPoint 84 IPCP MA 70	100 Watt 70 V Mono Power Amplifier	60-1368-13
DTP CrossPoint 84 IPCP MA 70	100 Watt 70 V Mono Power Amplifier, LinkLicense	60-1368-13A

For updated product availability, go to www.extron.com

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

DTP SYSTEMS

IN1608 IPCP

Eight Input HDCP-Compliant Scaling Presentation Switcher with DTP Extension and Control Processor

The Extron IN1608 IPCP is an eight-input scaling presentation switcher with a built-in IPCP Pro 350 control processor and integrated audio power amplifier. It features four HDMI inputs, two universal analog video inputs, and two Extron DTP inputs, plus dual HDMI outputs and one DTP output. The DTP inputs and output work with DTP endpoints to extend HDMI, audio, and bidirectional control signals. Each DTP transmitter/receiver link requires just a single shielded CATx cable. The IN1608 IPCP provides the convenience of supporting local and remote sources and displays, with fast and reliable source switching, and a high performance scaling engine for HDMI and analog sources. The IN1608 IPCP also includes a host of audio switching and processing features.

IN1608 IPCP SA

IN1608 IPCP MA 70

NOW SHIPPING

FEATURES

- Integrates HDMI, analog video, and audio sources into presentation systems
- Two DTP inputs, four HDMI inputs, and two universal analog video inputs
- Three simultaneous video outputs
- Integrated DTP inputs and output support transmission of HDMI, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Compatible with CATx shielded twisted pair cable
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote powering of DTP transmitters and receiver
- Compatible with all DTP Series models and DTP-enabled products
- Integrated IPCP Pro 350 control processor
- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communications protocols
- Supports LinkLicense™
- Two bidirectional RS-232 ports with software handshaking
- One bidirectional RS-232/RS-422/RS-485 port with hardware and software handshaking
- Two IR/Serial ports for one-way control of external devices
- Four Digital I/O ports
- Four relays for controlling room functions
- Integrated three port network switch
- Supports 10/100/1000Base-T
- Supports Ethernet-controllable devices
- Fully customizable using Extron control system software
- Controller groups
- Two mic/line inputs with 48 volt phantom power
- Mic ducking
- Auto-switching between inputs
- HDMI audio embedding
- HDMI audio de-embedding
- Selectable output rates from 640x480 to 1920x1200, including 1080p/60 and 2K
- Advanced scaling engine with 30-bit precision processing and motion-adaptive deinterlacing for signals up to 1080i
- Energy efficient Class D stereo or mono amplifier: 2 x 50 watts @ 4 ohms or 2 x 25 watts @ 8 ohms 1 x 100 watts @ 70 volts
- HDCP compliant
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- Seamless switching
- On-screen menus
- Output volume control
- Audio input gain and attenuation
- Audio breakaway
- Audio switching transitions
- Advanced audio configuration
- Ethernet monitoring and control
- Built-in Web pages
- RS-232 control port
- Front panel USB configuration port
- Easy setup and commissioning with Extron's PCS - Product Configuration Software
- Rack-mountable 2U, full rack width metal enclosure
- Highly reliable, energy-efficient internal universal power supply

Model	Version Description	Part Number
IN1608 IPCP SA	Control Processor and Stereo Amp, DTP 330	60-1238-12
IN1608 IPCP SA	Control Proc, Stereo Amp, DTP 330, LinkLicense	60-1238-12A
IN1608 IPCP MA 70	Control Processor and 70 V Mono Amp, DTP 330	60-1238-13
IN1608 IPCP MA 70	Control Proc, 70 V Amp, DTP 330, LinkLicense	60-1238-13A

DTP SYSTEMS

IP LINK PRO

LinkLicense

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

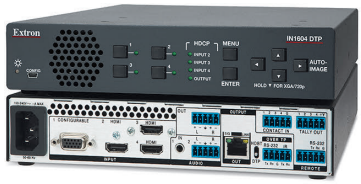
www.extron.com

© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

DTP SYSTEMS

IN1604 DTP

Four Input HDCP-Compliant Scaler with DTP Extension



DTP SYSTEMS

NOW SHIPPING

The Extron IN1604 DTP is an HDCP-compliant scaler with three HDMI inputs, a universal analog video input, and an Extron DTP output, in a compact 1U, half rack enclosure. The IN1604 DTP is ideal for installation beneath conference tables and in lecterns to provide localized switching support for sources such as presenter devices. The DTP output allows signal extension up to 330 feet (100 meters) over shielded CATx cable to reach a wall or ceiling-mounted display. The IN1604 DTP provides the convenience of fast and reliable switching, along with a high performance scaling engine for HDMI and analog video sources. Also included are a host of audio processing features and many versatile options for control.

FEATURES

- Integrates HDMI, analog video, and audio sources into presentation systems
- Three HDMI inputs and one universal analog video input
- DTP output supports transmission of HDMI, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote powering of DTP receiver
- Compatible with all DTP 230 and DTP 330 Series receivers, and DTP-enabled products
- DTP output is compatible with HDBaseT-enabled devices
- Auto-switching between inputs
- Selectable output rates from 640x480 to 1920x1200, including 1080p/60 and 2K
- Advanced scaling engine with 30-bit precision processing and motion-adaptive deinterlacing for signals up to 1080i
- HDMI audio embedding
- HDMI audio de-embedding
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- RS-232 control port
- Contact closure remote control with tally output
- Front panel USB configuration port
- Compact 1U, half rack width metal enclosure

Model	Version Description	Part Number
IN1604 DTP	Four Input Scaler with DTP Output	60-1457-01

DTP HD DA 4K

Four and Eight Output DTP Distribution Amplifiers

DTP HD DA4 4K 230

DTP HD DA8 4K 230

DTP HD DA4 4K 330

DTP HD DA8 4K 330

NOW SHIPPING

The Extron DTP HD DA 4K Series of distribution amplifiers provide one HDMI input with loop-through, and either four or eight DTP™ outputs. Each twisted pair output sends HDMI, audio, and control over shielded CATx cable to Extron DTP–enabled products. The DTP HD DA 4K 230 models extend these signals up to 230 feet (70 meters), while DTP HD DA 4K 330 models extend signals up to 330 feet (100 meters). All models also accept analog stereo audio signals for simultaneous transmission over the same shielded CATx cable. They support video signals at resolutions up to 4K, including 1080p/60 Deep Color. The DTP HD DA 4K offers bidirectional RS–232 and IR pass-through at each DTP output, plus system level RS–232 control of AV devices via Ethernet insertion. It features remote powering of DTP receivers, EDID Minder®, Key Minder®, selectable output muting, and compatibility with HDBaseT-enabled devices.

FEATURES

- Distributes HDMI plus control and analog audio over shielded CATx cable:
  Up to 230 feet (70 meters) – DTP HD DA 4K 230
  Up to 330 feet (100 meters) – DTP HD DA 4K 330
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- DTP outputs are compatible with HDBaseT-enabled devices
- HDMI input loop-through
- Audio input with loop-through accepts additional analog stereo audio signals
- Remote powering of DTP receivers
- RS–232 insertion from the Ethernet control port
- Bidirectional RS–232 and IR pass–through for AV device control
- Key Minder® and EDID Minder®
- HDCP Visual Confirmation provides a green signal when encrypted content is sent to a non–compliant display
- Output muting control
- Ethernet monitoring and control

Model	Version Description	Part Number
DTP HD DA4 4K 230	HDMI to Four Output DTP DA - 230 feet (70 m)	60-1437-01
DTP HD DA8 4K 230	HDMI to Eight Output DTP DA - 230 feet (70 m)	60-1438-01
DTP HD DA4 4K 330	HDMI to Four Output DTP DA - 330 feet (100 m)	60-1437-51
DTP HD DA8 4K 330	HDMI to Eight Output DTP DA - 330 feet (100 m)	60-1438-51

For updated product availability, go to www.extron.com

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

DTP SYSTEMS

DTP T HWP 4K D

DTP Transmitters for HDMI - Decora® Wallplate

The Extron DTP T HWP 4K 231 D and DTP T HWP 4K 331 D are single-gang Decora®-style transmitters for sending HDMI, audio, and bidirectional RS–232 and IR signals over a shielded CATx cable to Extron DTP™–enabled products. The DTP T HWP 4K 231 D extends signals up to 230 feet (70 meters), while the DTP T HWP 4K 331 D extends signals up to 330 feet (100 meters). The one–gang form factor provides maximum space efficiency in wall mount, floor box, and furniture mount applications. They support video signals at resolutions up to 4K, including 1080p/60 Deep Color. Both models also accept analog stereo audio signals for simultaneous transmission over the same shielded twisted pair cable. The transmitters feature remote power capability, plus bidirectional RS–232 and IR pass-through for remote AV device control. The single-gang wall-mountable design provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Transmits HDMI plus control and analog audio over a shielded CATx cable:
  Up to 230 feet (70 meters) – DTP T HWP 4K 231 D
  Up to 330 feet (100 meters) – DTP T HWP 4K 331 D
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Accepts additional analog stereo audio signals
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- Compatible with all DTP Series receivers and DTP-enabled products
- Mounts in an included single-gang Decora®-style wallplate

4K UHD

NOW SHIPPING

Model	Version Description	Part Number
DTP T HWP 4K 231 D	HDMI Decora Tx, Black - 230 feet (70 m)	60-1421-12
DTP T HWP 4K 231 D	HDMI Decora Tx, White - 230 feet (70 m)	60-1421-13
DTP T HWP 4K 331 D	HDMI Decora Tx, Black - 330 feet (100 m)	60-1421-52
DTP T HWP 4K 331 D	HDMI Decora Tx, White - 330 feet (100 m)	60-1421-53

DTP DP 4K

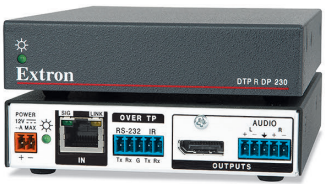
DisplayPort Twisted Pair Extenders

The Extron DTP DP 4K 230 and DTP DP 4K 330 are transmitters and receivers for sending DisplayPort, audio, and bidirectional RS–232 and IR signals over a shielded CATx twisted pair cable. The DTP DP 4K 230 extends signals up to 230 feet (70 meters), while the DTP DP 4K 330 extends signals up to 330 feet (100 meters). Both DTP DP 4K models provide an effective means for incorporating higher resolution DisplayPort with embedded audio into DTP™ Systems, and the receivers support Type 2 dual-mode DisplayPort for HDMI, 4K–capable devices. They support video signals at resolutions up to 4K, including 2560x1600 and 1080p/60 Deep Color. The DTP DP 4K 230 and DTP DP 4K 330 accept analog stereo audio signals for simultaneous transmission over the same shielded twisted pair cable. The compact enclosure size and remote power capability make the DTP DP 4K models ideal for discreet placement in lecterns, beneath tables, behind flat-panel displays, or wherever needed to meet application requirements.

FEATURES

- Transmits DisplayPort plus control and analog audio over a shielded CATx cable:
  Up to 230 feet (70 meters) – DTP DP 4K 230
  Up to 330 feet (100 meters) – DTP DP 4K 330
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Output supports Type 2 dual-mode DisplayPort for interoperability with 4K-capable devices – DTP R DP 4K models
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices – DTP T DP 4K models
- Accepts additional analog stereo audio signals
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- HDCP compliant
- Supports DisplayPort data rates up to 10.8 Gbps
- Compatible with all DTP Series models and DTP-enabled products

DTP T DP 4K 230



DTP R DP 4K 230

4K UHD

NOW SHIPPING

Model	Version Description	Part Number
DTP T DP 4K 230	DisplayPort Tx - 230 feet (70 m)	60-1076-12
DTP T DP 4K 330	DisplayPort Tx - 330 feet (100 m)	60-1076-52
DTP R DP 4K 230	DisplayPort Rx - 230 feet (70 m)	60-1076-13
DTP R DP 4K 330	DisplayPort Rx - 330 feet (100 m)	60-1076-53

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

DTP SYSTEMS

DTP T FB

Two Input DTP Transmitters for Floor Boxes

The Extron DTP T FB 232 and DTP T FB 332 are two input transmitters that are compatible with a variety of floor boxes, including those from OBO Bettermann, MK by Honeywell, Electraplan, and PUK. The DTP T FB 232 sends HDMI or VGA, audio, and control up to 230 feet (70 meters) over a shielded CATx cable, and the DTP T FB 332 sends these signals up to 330 feet (100 meters). Both models support video signals at resolutions up to 1920x1200, including 1080p/60 and 2K. They feature automatic switching between inputs and RS–232 remote control for easy operation in unmanaged locations, plus assignment of the stereo analog audio input. They also support bidirectional RS–232 and IR pass-through for AV device control at remote locations. Designed for DTP™ Systems, the DTP T FB models can be remotely powered by Extron DTP CrossPoint® 84 matrix switchers or other DTP–enabled products.

FEATURES

- Designed to mount in a variety of floor box offerings from OBO Bettermann - GB2 and GB3 slots, MK by Honeywell, Electraplan, and PUK
- Transmits HDMI or analog video, control, and analog audio over a shielded CATx cable:
  Up to 230 feet (70 meters) – DTP T FB 232
  Up to 330 feet (100 meters) – DTP T FB 332
- One HDMI input and one VGA input
- Auto-switching between inputs
- Supports computer and video resolutions up to 1920x1200, including 1080p/60 and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Accepts additional analog stereo audio signals
- Audio input assignment
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- EDID Minder® automatically manages EDID communication between connected devices
- Compatible with all DTP Series receivers and DTP-enabled products

NOW SHIPPING

Model	Version Description	Part Number
DTP T FB 232	Two Input Floor Box Tx - 230 feet (70 m)	60-1440-12
DTP T FB 332	Two Input Floor Box Tx - 330 feet (100 m)	60-1440-52

DTP T EU

Two Input DTP Transmitters for EU-Type Junction Boxes

The Extron DTP T EU 232 and DTP T EU 332 are compact, two input transmitters for sending HDMI or analog video, audio, and control over a shielded CATx cable to Extron DTP™–enabled products. They are compatible with standard two–gang EU–type junction boxes for convenient installation in wall mount environments. The DTP T EU 232 extends signals up to 230 feet (70 meters), while the DTP T EU 332 extends signals up to 330 feet (100 meters). The transmitters provide one HDMI input and one VGA input, both with independent analog stereo audio connections. They support video signals at resolutions up to 1920x1200, including 1080p/60 and 2K. Incoming analog video is digitized for reliable display on a variety of output devices. Integrator-friendly features include EDID Minder®, auto-switching between inputs and RS–232 remote control for simplified input selection, remote power capability, and bidirectional RS–232 and IR pass-through for remote AV device control. The wall-mountable design of the DTP T EU models provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Designed to mount in a two-gang EU-type electrical junction box
- Transmits HDMI or analog video, control, and analog audio over a shielded CATx cable:
  Up to 230 feet (70 meters) – DTP T EU 232
  Up to 330 feet (100 meters) – DTP T EU 332
- One HDMI input and one VGA input
- Auto-switching between inputs
- Supports computer and video resolutions up to 1920x1200, including 1080p/60 and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Independent analog audio inputs
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- EDID Minder® automatically manages EDID communication between connected devices
- RS-232 control port
- Compatible with all DTP Series receivers and DTP-enabled products

DTP T EU 332

NOW SHIPPING

Model	Version Description	Part Number
DTP T EU 232	Two Input EU Tx - 230 feet (70 m)	60-1439-12
DTP T EU 332	Two Input EU Tx - 330 feet (100 m)	60-1439-52

For updated product availability, go to www.extron.com

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

DTP SYSTEMS

DTP T MK

Two Input DTP Transmitters for MK-Type Junction Boxes

The Extron DTP T MK 232 and DTP T MK 332 are compact, two input transmitters for sending HDMI or analog video, audio, and control over a shielded CATx cable to Extron DTP™-enabled products. They are compatible with standard two-gang MK-type junction boxes for convenient installation in wall mount environments. The DTP T MK 232 extends signals up to 230 feet (70 meters), while the DTP T MK 332 extends signals up to 330 feet (100 meters). The transmitters provide one HDMI input and one VGA input, both with independent analog stereo audio connections. They support video signals at resolutions up to 1920x1200, including 1080p/60 and 2K. Incoming analog video is digitized for reliable display on a variety of output devices. Integrator-friendly features include EDID Minder®, auto-switching between inputs and RS-232 remote control for simplified input selection, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control. The wall-mountable design of the DTP T MK models provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Designed to mount in a two-gang MK-type electrical junction box for the UK, Middle East, Singapore, Hong Kong, and other markets that use MK-type junction boxes
- Transmits HDMI or analog video, control, and analog audio over a shielded CATx cable:
  Up to 230 feet (70 meters) – DTP T MK 232
  Up to 330 feet (100 meters) – DTP T MK 332
- One HDMI input and one VGA input
- Auto-switching between inputs
- Supports computer and video resolutions up to 1920x1200, including 1080p/60 and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Independent analog audio inputs
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- EDID Minder® automatically manages EDID communication between connected devices
- RS-232 control port
- Compatible with all DTP Series receivers and DTP-enabled products

DTP T MK 332

NOW SHIPPING

Model	Version Description	Part Number
DTP T MK 232	Two Input MK Tx - 230 feet (70 m)	60-1467-12
DTP T MK 332	Two Input MK Tx - 330 feet (100 m)	60-1467-52

EXTENDERS & LINE DRIVERS

UHD4K 101

HDMI Cable Equalizer for 4K Sources

The Extron UHD4K 101 is a one input, one output HDMI cable equalizer for 4K video signals. It attaches to the end of a long HDMI cable run, and equalizes 4K signals up to 50 feet (15 meters) when used with Extron HDMI Pro Series cables. The UHD4K 101 also provides active equalization to ensure optimal image quality with video signals up to 4096x2160 @ 30 Hz and 1080p/60 with 12–bit Deep Color. The UHD4K 101 can be powered by the connected HDMI source or the included external power supply, making it ideal for use in permanent installations as well as temporary applications.

FEATURES

- Extends 4K video signals up to 50 feet (15 meters) when used with Extron HDMI Pro Series cable
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12–bit, 3D, Lip Sync, HD lossless audio formats, and CEC
- HDCP compliant
- Automatic input cable equalization
- Can be powered directly from the HDMI source device

Model	Version Description	Part Number
UHD4K 101	4K HDMI Cable Equalizer	60-1514-01

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

XTP SYSTEMS

XTP T HWP 101

XTP Transmitter for HDMI - Decora® Wallplate

The Extron XTP T HWP 101 is a single–gang Decora®–style transmitter for sending HDMI with embedded audio up to 330 feet (100 meters) over a single shielded CATx cable. The one–gang form factor provides maximum space efficiency for convenient installation in wall mount, floor box, and furniture mount applications. The transmitter is HDCP compliant, and supports computer and video resolutions up to 1920x1200, including 1080p/60 with Deep Color and 2K. It offers many of the integrator–friendly features that are standard with XTP® products, such as EDID Minder® and remote power capability. The single–gang XTP T HWP 101 works with XTP Systems® for signal distribution and long-distance transmission in wall-mount environments.

FEATURES

- Transmits HDMI with embedded audio up to 330 feet (100 m) over a shielded CATx cable
- Supports computer and video resolutions up to 1920x1200, including 1080p/60 Deep Color and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Remote power capability
- Compatible with all XTP integrated system products

NOW SHIPPING

Model	Version Description	Part Number
XTP T HWP 101	HDMI Decora Transmitter - Black	60-1407-12
XTP T HWP 101	HDMI Decora Transmitter - White	60-1407-13

XTP T UWP 202

Two Input XTP Transmitter - Decora® Wallplate

The XTP T UWP 202 and XTP T UWP 202 NL are two-input transmitters for sending HDMI or VGA video, audio, and bidirectional RS–232 and IR up to 330 feet (100 m) over a shielded CATx cable. The XTP T UWP 202 includes an Ethernet port on the front plate to enable Ethernet extension for LAN access. Incoming analog video signals are digitized for reliable display on a variety of output devices. The XTP® transmitters are HDCP compliant, and support computer and video resolutions up to 1920x1200, including 1080p/60 with Deep Color and 2K. These transmitters work with XTP Systems® for signal distribution and long-distance transmission in wall-mount environments.

FEATURES

- Transmits HDMI or analog video, audio, and bidirectional RS-232 and IR up to 330 feet (100 m) over a shielded CATx cable
- HDMI and VGA inputs
- Supports computer and video resolutions up to 1920x1200, including 1080p/60 Deep Color and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Auto-switching between inputs
- Bidirectional RS-232 and IR insertion for AV device control
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension - XTP T UWP 202
- Remote power capability
- RS-232 control
- Selectable analog stereo audio input embedding
- Compatible with all XTP integrated system products
- Mounts in an included two-gang Decora®-style wallplate

XTP T UWP 202

XTP T UWP 202 NL

NOW SHIPPING

Model	Version Description	Part Number
XTP T UWP 202	2 Input Decora Transmitter Black	60-1216-12
XTP T UWP 202	2 Input Decora Transmitter White	60-1216-13
XTP T UWP 202 NL	2 Input Decora Transmitter No LAN Black	60-1410-12
XTP T UWP 202 NL	2 Input Decora Transmitter No LAN White	60-1410-13

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

XTP SYSTEMS

XTP T FB 202

Two Input XTP Transmitter for Floor Boxes

The Extron XTP T FB 202 is a two–input transmitter that sends HDMI or VGA video, audio, control, and Ethernet up to 330 feet (100 m) over a shielded CATx cable. It is compatible with floor boxes from OBO Bettermann, MK by Honeywell, Electraplan, and PUK. It supports computer and video resolutions up to 1920x1200, including 1080p/60 with Deep Color and 2K. Incoming analog signals are digitized for reliable transmission, and separate analog stereo audio can be embedded onto the output signal. For easy operation in unmanaged locations, the transmitter features automatic switching between inputs with selectable prioritization and allows Ethernet extension and insertion of bidirectional RS–232 and IR for LAN access and remote AV device control. Designed for XTP Systems®, the XTP T FB 202 can be powered by the XTP CrossPoint® matrix switcher.

FEATURES

- Designed to mount in a variety of floor boxes
- Transmits HDMI or analog video, audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet over a shielded CATx cable
- HDMI and VGA inputs
- Supports computer and video resolutions up to 1920x1200, including 1080p/60 Deep Color and 2K
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Auto-switching between inputs
- Bidirectional RS-232 and IR insertion for AV device control
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- Remote power capability
- RS-232 control
- Selectable analog stereo audio input embedding
- Compatible with all XTP integrated system products

NOW SHIPPING

Model	Version Description	Part Number
XTP T FB 202	2 Input XTP Transmitter for Floor Boxes	60-1383-12

XTP R HWP 201

XTP Receiver with 90° HDMI Connector for Wall-Mounted Displays

The Extron XTP R HWP 201 is a Decora®-style wallplate receiver for XTP Systems® that include wall–mounted displays. The HDMI output connector is oriented upward at a 90° angle, which minimizes stress on the cable and allows for a low–profile flat panel display installation. The receiver accepts XTP® signals from up to 330 feet (100 meters) away over a shielded CATx cable and outputs video, audio, bidirectional RS–232 and IR control, and Ethernet to the display. It also provides HDMI audio de–embedding with analog stereo audio output and volume control. For simplified integration, the wallplate receiver can be remotely powered by the XTP CrossPoint® matrix switcher or via optional power injector. The XTP R HWP 201 is designed for use in XTP Systems to support long–distance signal transmission in wall–mount environments.

FEATURES

- Receives video with embedded audio, bidirectional RS–232 and IR, and Ethernet up to 330 feet (100 m) over a shielded CATx cable
- Unique low–profile wallplate design requires minimal space behind a flat panel display
- Supports computer and video resolutions up to 1920x1200, including 1080p/60 Deep Color and 2K
- Compatible with CATx shielded twisted pair cable
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Bidirectional RS-232 and IR insertion for AV device control
- Supported HDMI specification features include data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- HDCP compliant
- Ethernet extension
- HDMI audio de-embedding with analog stereo audio outputs and volume control
- Remote power capability
- Mounts in an included two-gang Decora®-style wallplate

NOW SHIPPING

Model	Version Description	Part Number
XTP R HWP 201	XTP Decora Receiver - Black	60-1367-22
XTP R HWP 201	XTP Decora Receiver - White	60-1367-23

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

EXTRON PRO SERIES CONTROL PRODUCTS

Extron Pro Series Control Products – Introducing a New Era of Control Capabilities

For over a dozen years, Extron has been the industry leader in configurable control systems and has provided products with the power to handle the needs of professional AV applications. We are now very pleased to announce a whole new era for Extron control systems. Extron Pro Series Control Systems expand AV control capabilities with advanced configuration software, exciting new touchpanels, more powerful processing, and a broad range of other enhancements designed to support the evolving complexities of today's AV system designs. Extron Pro Series control systems includes more than 40 new products, all backed by the S^3 customer support you trust.

New Powerful Configuration Software

The latest version of our Global Configurator software provides the most powerful and versatile AV control system configuration tools we have ever offered to AV system integrators. It is ideal for a wide variety of control systems and applications, and helps streamline integration within today's demanding AV control environments. Within this latest version, advanced features, such as conditional logic, variables, and macros provide even greater flexibility for more elaborate control system designs. Global Configurator has two modes. Global Configurator Plus is ideal for smaller scale applications requiring one control processor and one control interface as well as a mirrored interface. Global Configurator Professional includes all of the powerful features within Global Configurator Plus with the addition of expanded features that make it especially suited for applications requiring multiple control processors, enhanced functionality, and advanced configuration.

Support BYOD with Extron LinkLicense

Extron is introducing a new concept in user friendly control system design. A LinkLicense™ is a simple way for people to use their mobile devices or computers as a primary control interface in an Extron control system. This new option gives integrators the freedom to choose control interfaces based on their customers' specific needs. LinkLicense answers requests from customers to provide users the freedom to use their own tablets and laptops as the primary method of control within presentation environments so they may roam freely around the room. All new IPCP Pro control processors may be purchased with or without a LinkLicense.

New Larger, More Powerful Touchpanels

We have introduced 12 new TouchLink Pro touchpanels with faster processing and more memory. Five of these are in new 5", 12", and 15" sizes with vibrant, capacitive touchscreens. The two largest sizes have high resolution video preview and a bold new design with edge-to-edge glass.

TouchLink Interface – Use a Third Party Touchscreen for Control

The Extron TLI Pro 101 is a TouchLink Interface that allows a third party touchscreen display to be used as a control interface within an Extron Pro Series control system. An HDMI input provides video preview and a scaled HDMI output supports displays from 800x600 to 1920x1200, as well as HDTV 1080p/60. Power over Ethernet - PoE allows the TLI Pro 101 to receive power and communications over a single Ethernet cable. The TLI Pro 101 is ideal for control applications that require a fully customizable third party touchscreen interface with multi-source video preview and a scalable, high resolution HDMI output.

Eight New Control Processors

Our eight new IP Link Pro control processors are faster, more secure, and more powerful than ever. Built-in Gigabit Ethernet and new network protocols allow fast and secure connections. When combined with our new Global Configurator Plus and Global Configurator Professional configuration software, these control processors are capable of enhanced functions including conditional logic as well as advanced scheduling and monitoring.

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

RESOURCE MANAGEMENT SOFTWARE

GlobalViewer Enterprise

Server-Based AV Resource Management Software

GlobalViewer® Enterprise takes enterprise-wide scheduling, monitoring, and help-desk functionality to a new level. Building on an already powerful feature set, this latest version, 2.2, provides a host of new and enhanced features that streamline and simplify many common AV tasks. Microsoft® .NET® technology allows GlobalViewer Enterprise to integrate with third-party facility scheduling software for viewing room availability and managing meeting schedules. GlobalViewer Enterprise 2.0, and later, supports configurations created in Extron Global Configurator 3.5.x, as well as the newly-introduced Global Configurator Plus and Professional configuration software.

Expanded Help Desk Views

Powerful AV System Management

GlobalViewer Enterprise is a powerful resource management tool that is designed to leverage the security, data, and access control capabilities of Microsoft Windows Server.

AV and IT support teams will appreciate the agility and flexibility GlobalViewer Enterprise provides to access usage data, create reports, and control the system from any computer on the LAN or WAN. The Help Desk view offers one to observe the entire enterprise in a single window and gain access to detailed room data with just a click of a mouse. GlobalViewer Enterprise also supports integration of third-party control systems.

What's New in GlobalViewer Enterprise 2.2

NOW AVAILABLE

Support for Pro and Plus Series Control Products
GlobalViewer Enterprise now supports configurations created in Extron Global Configurator Plus and Professional.

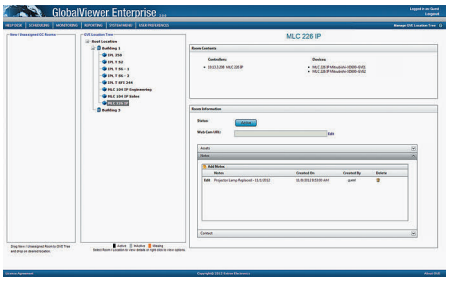
Updated Reporting User Interface
With GVE 2.2, the report generation can be scheduled and automated with the help of an easy to use user interface.

More flexible input source usage reporting
Global Configurator Plus and Professional will allow users greater flexibility in reporting input source usage to GVE, which will better support touchpanel and scaling systems.

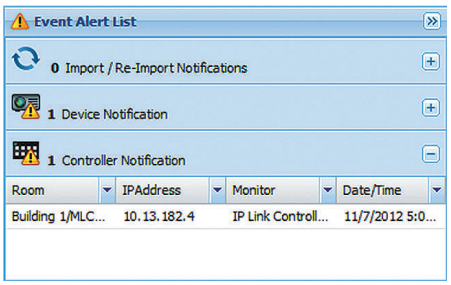
GVE Room Events
Allow GVE to trigger customized sets of actions from control systems managed by it.

Global Configurator Plus and Professional upload to GVE
The auto upload options will be provided in GC Plus and Pro to enable the configuration to be pushed directly to GVE without needing to import the configuration after every update to the system from GVE.

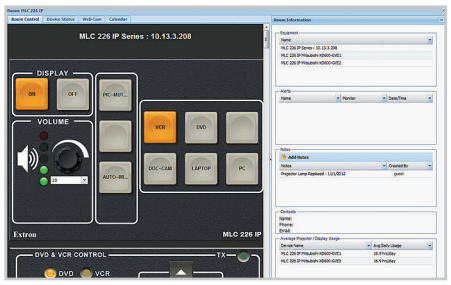
Model	Version Description	Part Number
GlobalViewer Enterprise Update	Resource Mngmnt Software Update	29-096-03



Enhanced Tree Manager



Enhanced Event Alert List



Streamlined Room Control Terminal

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

EXTRON ROOM SCHEDULING SYSTEM

Transform TouchLink Pro Touchpanels into Full-Featured Room Booking Appliances

In today's business environments, meeting rooms are in high demand; and finding an available room can be a time-consuming experience. Extron has simplified the room booking experience with Room Agent™ software, which works in concert with TouchLink touchpanels to create a complete room booking solution. The Extron Room Scheduling System conveniently displays a room's meeting information and occupancy status on a standard TouchLink Pro touchpanel. While competitive devices rely on additional scheduling software or external processors, Room Agent ties TouchLink Pro touchpanels directly to Microsoft Exchange, delivering a convenient stand-alone room booking solution for any size application. Users can reserve rooms from any Exchange-connected device, including their mobile devices, or from the touchpanel, itself. Since Room Agent uses Extron's popular 5" and 7" TouchLink Pro touchpanels, multiple mounting options are available, including on-wall, in-wall, as well as secure mounting to almost any flat surface, including glass or granite.

Simply Tap the Screen to Book a Room

With Room Agent, the touchpanels require no programming, as they simply operate as a client of Microsoft Exchange. Booking a room from the touchpanel is as easy as tapping the "Reserve" button for the time you want. The intuitive interface clearly displays room availability and a timeline view of the room's occupancy status for the rest of the day. In addition to the customizable touchpanel interface, two bright LEDs within the bezel make it easy to see whether a room is available or occupied, even from down the hall.

Easy Setup and Fast Deployment

Room Agent Software is free, and makes setting up TouchLink Pro touchpanels a snap. Simply connect the touchpanel to your computer, open the free Room Agent software, fill in the required fields that compose the user interface, and you're done. Customization options allow fields to be shown or hidden, depending on user preference.

FEATURES

- Use TouchLink Pro Touchpanels for room booking and meeting information display
- Room Agent software provides easy integration with Microsoft Exchange for convenient scheduling right from Outlook
- Make on-demand reservations from the touchpanel, computer, or any smart phone or tablet that connects to Microsoft Exchange
- Two bright LED make it easy to see whether a room is available or occupied even from down the hall
- Meeting rooms automatically become available as soon as a scheduled meeting ends
- Two color themes, user provided background images and templates to create custom branding
- Deploy a single touchpanel, or multiple touchpanels with similar settings very easily using color themes, custom background images and templates
- Power over Ethernet provides power and network connectivity to the touchpanel with a single Ethernet cable

Model	Version Description	Part Number
Room Agent	Room Scheduling Setup Software	79-594-01
TLP Pro 520M	Black - Wall Mount	60-1185-02
TLP Pro 720M	Black - Wall	60-1394-02
TLP Pro 720M	White - Wall	60-1394-03
TLP Pro 720T	Black - Tabletop & VESA	60-1395-02

For updated product availability, go to www.extron.com

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 1520MG

15" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 1520MG is a 15" wall mount touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink® Pro models, this new, customizable touchpanel features faster processing and more memory. The 1366x768 capacitive touchscreen provides a vibrant image and a more responsive control surface. The TLP Pro 1520MG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. The touchpanel conveniently receives power and communications over a single Ethernet cable. The TLP Pro 1520MG has a bold, clean, high tech design and features that make it ideal for control applications that require a fully-customizable wall mount touchpanel with a large control surface and multi-source video preview.

FEATURES

- 15" capacitive touchscreen with 1366x768 resolution and 16 million colors
- Faster processing and more memory
- Full-motion video preview and monitoring with HDMI and XTP inputs
- Compatible with all IP Link Pro control processors
- Touchpanel receives power and control over a single Ethernet cable, eliminating the need for a local power supply - Power injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel
- Mounts on a wall, lectern, or any flat surface

Model	Version Description	Part Number
TLP Pro 1520MG	Black w/Power Inj - Wall	60-1342-02

TLP Pro 1520TG

15" Tabletop TouchLink Pro Touchpanel

The Extron TLP Pro 1520TG is a 15" tabletop touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink® Pro models, this new, customizable touchpanel features faster processing and more memory. The 1366x768 capacitive touchscreen provides a vibrant image and a more responsive control surface. The TLP Pro 1520TG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. The touchpanel conveniently receives power and communications over a single Ethernet cable. The TLP Pro 1520TG has a bold, clean, high-tech design and features that make it ideal for control applications that require a fully-customizable tabletop touchpanel with a large control surface and multi-source video preview.

FEATURES

- 15" capacitive touchscreen with 1366x768 resolution and 16 million colors
- Faster processing and more memory
- Full-motion video preview and monitoring with HDMI and XTP inputs
- Compatible with all IP Link Pro control processors
- Touchpanel receives power and control over a single Ethernet cable, eliminating the need for a local power supply - Power injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel
- Sits on a tabletop or installs on a VESA mount

Model	Version Description	Part Number
TLP Pro 1520TG	Black w/Power Inj - Tabletop & VESA	60-1343-02

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 1220MG

12" Wall Mount TouchLink Pro Touchpanel

The Extron TLP Pro 1220MG is a 12" wall mount touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink® Pro models, this new, customizable touchpanel features faster processing and more memory. The 1280x800 capacitive touchscreen provides a vibrant image, more responsive control surface, and increased vertical viewing angle. The TLP Pro 1220MG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. The touchpanel conveniently receives power and communications over a single Ethernet cable. The TLP Pro 1220MG has a bold, high-tech design and features that make it ideal for control applications that require a fully-customizable wall mount touchpanel with a large control surface and multi-source video preview.

FEATURES

- 12" capacitive touchscreen with 1280x800 resolution and 16 million colors
- Faster processing and more memory
- Full-motion video preview and monitoring with HDMI and XTP inputs
- Compatible with all IP Link Pro control processors
- Touchpanel receives power and control over a single Ethernet cable, eliminating the need for a local power supply - Power injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel
- Mounts on a wall, lectern, or any flat surface

Model	Version Description	Part Number
TLP Pro 1220MG	Black w/Power Inj - Wall	60-1340-02

TLP Pro 1220TG

12" Tabletop TouchLink Pro Touchpanel

The Extron TLP Pro 1220TG is a 12" tabletop touchpanel with a capacitive, edge-to-edge glass touchscreen. As with all TouchLink® Pro models, this new, customizable touchpanel features faster processing and more memory. The 1280x800 capacitive touchscreen provides a vibrant image, more responsive control surface, and increased vertical viewing angle. The TLP Pro 1220TG features video preview inputs that support high resolution HDCP-compliant video from HDMI sources and Extron XTP devices. The touchpanel conveniently receives power and communications over a single Ethernet cable. The TLP Pro 1220TG has a bold, clean, high-tech design and features that make it ideal for control applications that require a fully-customizable tabletop touchpanel with a large control surface and multi-source video preview.

FEATURES

- 12" capacitive touchscreen with 1280x800 resolution and 16 million colors
- Faster processing and more memory
- Full-motion video preview and monitoring with HDMI and XTP inputs
- Compatible with all IP Link® Pro control processors
- Touchpanel receives power and control over a single Ethernet cable, eliminating the need for a local power supply - Power injector included
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Two high speed USB 2.0 ports
- 3.5mm headphone jack provides local audio out from the touchpanel
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Weighted base allows up to 40° of tilt
- Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel

Model	Version Description	Part Number
TLP Pro 1220TG	Black w/Power Inj - Tabletop & VESA	60-1341-02

For updated product availability, go to www.extron.com

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 320C

3.5" Cable Cubby TouchLink Pro Touchpanel

The Extron TLP Pro 320C is a 3.5" Cable Cubby touchpanel with a flip-up, LCD touchscreen. As with all TouchLink® Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 320C is built into an all metal, cable cubby enclosure that can be mounted securely into a tabletop, lectern, or other flat surface. It is ideal for any AV application requiring a compact, Cable Cubby touchpanel with a fully customizable interface.

FEATURES

- 3.5" flip-up LCD touchscreen with 320x240 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speaker with improved audio performance
- Cable Cubby design offers easy access to AV, data, and power connections

Model	Version Description	Part Number
TLP Pro 320C	Black - w/US AC Module	60-1452-020A
TLP Pro 320C	Black - w/o AC Module	60-1452-0200
TLP Pro 320C	Brushed Alum - w/o AC Module	60-1452-0210

TLP Pro 320M

3.5" Wall Mount TouchLink Pro Touchpanel

NOW SHIPPING

The Extron TLP Pro 320M is a 3.5" wall mount touchpanel with an LCD touchscreen. As with all TouchLink® Pro models, this new customizable touchpanel features faster processing and more memory. Power over Ethernet PoE allows the touchpanel to receive power and communications over a single Ethernet cable. The TLP Pro 320M features a sleek, rounded bezel that compliments the aesthetics in any AV environment. It is ideal for AV applications requiring a compact, wall-mountable touchpanel with a fully customizable interface.

FEATURES

- 3.5" LCD touchscreen with 320x240 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link Pro control processors
- Power over Ethernet allows the touchpanel to receive power and control over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speaker with improved audio performance
- Light sensor adjusts screen brightness as the ambient room lighting changes

Model	Version Description	Part Number
TLP Pro 320M	Black & White Bezels - Wall	60-1451-02

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

IP LINK PRO SERIES CONTROL PROCESSORS

IPCP Pro 250

IP Link Pro Control Processor

LinkLicense

NOW SHIPPING

The Extron IPCP Pro 250 is a versatile, high-performance control processor designed for centralized AV control in small to medium-size applications. As part of the new IP Link® Pro Series, the IPCP Pro 250 is engineered to be faster and more secure in almost every way. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink® Pro touchpanels using today's network infrastructure. It also supports Extron LinkLicense™ which enables the use of third party devices as primary control interfaces. The IPCP Pro 250 is an ideal choice for controlling multiple devices and signal types within an AV system.

FEATURES

- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communications protocols
- Supports LinkLicense
- One bidirectional RS-232 serial port with software handshaking
- One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
- One IR/Serial port for one-way control of external devices
- Four Digital I/O ports
- Supports popular BMS – Building Management System protocols, such as BACnet, KNX, and DALI

Model	Version Description	Part Number
IPCP Pro 250	IP Link Pro Control Processor	60-1429-01
IPCP Pro 250	IP Link Pro Control Proc. w/LinkLicense	60-1429-01A

IPL Pro IRS8

IP Link Pro Control Processor

NOW SHIPPING

The Extron IPL Pro IRS8 is a compact, high-performance control processor with eight one-way IR/serial ports. As with all IP Link Pro control processors, the IPL Pro IRS8 combines more power, speed and memory. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink Pro touchpanels using today's network infrastructure. It is designed to be used as a stand-alone control processor in systems configured with Global Configurator Plus or Professional. It may also be grouped with other IP Link Pro control processors in more complex systems configured with Global Configurator Professional.

FEATURES

- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communication protocols
- Eight IR/Serial ports for one-way control of external devices
- Manage, monitor, and control AV devices using a standard Ethernet network
- Power over Ethernet allows the control processor to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Supports Ethernet-controllable devices

Model	Version Description	Part Number
IPL Pro IRS8	Eight IR/Serial Ports	60-1415-01

IPL Pro CR88

IP Link Pro Control Processor

NOW SHIPPING

The Extron IPL Pro CR88 is a compact, high-performance control processor with eight contact closure inputs and eight relay ports. As with all IP Link Pro control processors, the IPL Pro CR88 combines more power, speed and memory. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink Pro touchpanels using today's network infrastructure. It is designed to be used as a stand-alone control processor in systems configured with Global Configurator Plus or Professional. It may also be grouped with other IP Link Pro control processors in more complex systems configured with Global Configurator Professional.

FEATURES

- Supports TouchLink® Pro touchpanels
- Supports secure industry standard communication protocols
- Eight relays for controlling room functions
- Eight contact closure ports
- Manage, monitor, and control AV devices using a standard Ethernet network
- Power over Ethernet allows the control processor to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- Supports Ethernet-controllable devices

Model	Version Description	Part Number
IPL Pro CR88	Eight Contact and Eight Relays	60-1416-01

For updated product availability, go to www.extron.com

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

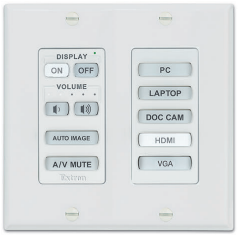
Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

MEDIALINK PLUS SERIES

MLC Plus 84 D

MediaLink Plus Controller - Decora Wallplate



SECTION 508

NOW SHIPPING

The MLC Plus 84 D is an easy-to-use, two-gang Ethernet controller used for controlling common AV functions such as power, input switching, and volume. As part of the new MediaLink Plus Series, the MLC Plus 84 D is designed with more powerful features and enhanced security. It has eleven backlit soft touch buttons and a variety of ports and inputs, including a remote volume control port for use with select Extron amplifiers. It is Extron's first pushbutton controller to support Ethernet control of a wide range of AV devices. The MLC Plus 84 D mounts in a two-gang junction box, and includes a white Decora®-style wallplate.

FEATURES

- Manage, monitor, and control AV devices using a standard Ethernet network
- Fully customizable using Global Configurator Plus or Global Configurator Professional
- Two bidirectional RS-232 ports
- Two relays for controlling room functions
- One IR Port for connecting up to two emitters
- Remote volume control port for Extron MPA Series and select XTRA™ Series amplifiers
- One Digital input
- Supports Power over Ethernet
- Supports up to eight Ethernet-controllable devices

Model	Version Description	Part Number
MLC Plus 84 D	White - Decora Wallplate	60-1194-03

MLC Plus 84 EU

MediaLink Plus Controller - EU Wallplate

NOW SHIPPING

The MLC Plus 84 EU is an easy-to-use, two-gang Ethernet controller that controls common AV functions such as power, input selection, and volume. As part of the new MediaLink Plus Series, the MLC Plus 84 EU is designed with more powerful features and enhanced security. It has nine backlit soft touch buttons, a volume control knob, and a variety of ports and inputs, including a remote volume control port for use with select Extron amplifiers. It is Extron's first pushbutton controller to support Ethernet control of a wide range of AV devices. The MLC Plus 84 EU mounts in a two gang size European junction box.

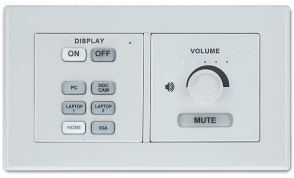
FEATURES

- Manage, monitor, and control AV devices using a standard Ethernet network
- Fully customizable using Global Configurator Plus or Global Configurator Professional
- Designed to mount in a two-gang European junction box
- Two bidirectional RS-232 ports
- Two relays for controlling room functions
- One IR Port for connecting up to two emitters
- Remote volume control port for Extron MPA Series and select XTRA™ Series amplifiers
- One Digital input
- Supports Power over Ethernet
- Supports up to eight Ethernet-controllable devices

Model	Version Description	Part Number
MLC Plus 84 EU	White - EU Wallplate	60-1354-33

MLC Plus 84 MK

MediaLink Plus Controller - MK Wallplate



NOW SHIPPING

The MLC Plus 84 MK is an easy-to-use, two-gang Ethernet controller that controls common AV functions such as power, input selection, and volume. As part of the new MediaLink Plus Series, the MLC Plus 84 MK is designed with more powerful features and enhanced security. It has nine backlit soft touch buttons, volume control knob, and a variety of ports and inputs, including a remote volume control port for use with select Extron amplifiers. It is Extron's first pushbutton controller to support Ethernet control of a wide range of AV devices. The MLC Plus 84 MK mounts in a two gang MK junction box.

FEATURES

- Manage, monitor, and control AV devices using a standard Ethernet network
- Fully customizable using Global Configurator Plus or Global Configurator Professional
- Designed to mount in a double MK junction box for the UK, Middle East, Singapore, Hong Kong, and other markets that use MK-type junction boxes
- Two bidirectional RS-232 ports
- Two relays for controlling room functions
- One IR Port for connecting up to two emitters
- Remote volume control port for Extron MPA Series and select XTRA™ Series amplifiers
- One Digital input
- Supports Power over Ethernet
- Supports up to eight Ethernet-controllable devices

Model	Version Description	Part Number
MLC Plus 84 MK	White - MK Wallplate	60-1354-23

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

MEDIALINK PLUS SERIES

MLC Plus 50

MediaLink Plus Controller

The MLC Plus 50 is a sleek Ethernet controller featuring beveled edges, rounded corners, and six redesigned backlit buttons. As part of the MediaLink Plus Series, it is loaded with features and enhanced security, making it ideal for handling common AV functions such as power, input switching, volume, and Ethernet control of AV devices. The magnetically-attached faceplate hides the mounting screws and gives the controller a refined, uncluttered appearance. PoE allows the controller to receive power and communications over a single Ethernet cable. The MLC Plus 50 mounts in a two-gang junction box.

FEATURES

- Manage, monitor, and control AV devices using a standard Ethernet network
- Fully customizable using Global Configurator Plus or Global Configurator Professional
- One bidirectional RS-232 port
- Two relays for controlling room functions
- One IR Port for connecting up to two emitters
- One Digital input
- Supports Power over Ethernet
- Supports Ethernet-controllable devices
- Configurable buttons
- Dual color, backlit buttons
- Includes black and white faceplates

SECTION 508

Model	Version Description	Part Number
MLC Plus 50	White and Black Faceplates, 2-Gang	60-1468-03

MLC Plus 100

MediaLink Plus Controller

The MLC Plus 100 is a sleek Ethernet controller featuring beveled edges, rounded corners, six redesigned backlit buttons, and a multi-function volume knob. As part of the MediaLink Plus Series, it is loaded with features and enhanced security, making it ideal for handling common AV functions such as power, input switching, volume, and Ethernet control of AV devices. The magnetically-attached faceplate hides the mounting screws and gives the controller a refined, uncluttered appearance. The newly-designed, multi-function volume knob provides smooth, precise control of select Extron amplifiers, ProDSP-equipped Extron products, and other audio devices. PoE allows the controller to receive power and communications over a single Ethernet cable. The MLC Plus 100 mounts in a two-gang junction box.

FEATURES

- Manage, monitor, and control AV devices using a standard Ethernet network
- Fully customizable using Global Configurator Plus or Global Configurator Professional
- Two bidirectional RS-232 ports
- Two relays for controlling room functions
- One IR Port for connecting up to two emitters
- One Digital input
- Remote volume control port for Extron MPA Series and select XTRA™ Series amplifiers
- Supports Power over Ethernet
- Supports Ethernet-controllable devices
- Dual color, backlit buttons
- Includes black and white faceplates

MLC Plus 100

MLC Plus 100 AAP

SECTION 508

Model	Version Description	Part Number
MLC Plus 100	White and Black Faceplates, 2-Gang	60-1469-03
MLC Plus 100 AAP	White and Black Faceplates, 4-Gang	60-1540-02

MLC Plus 200

MediaLink Plus Controller

The MLC Plus 200 is a sleek Ethernet controller featuring beveled edges, rounded corners, ten redesigned backlit buttons, and a multi-function volume knob. As part of the MediaLink Plus Series, it is loaded with features and enhanced security, making it ideal for handling common AV functions such as power, input switching, volume, and Ethernet control of AV devices. The magnetically-attached faceplate hides the mounting screws and gives the controller a refined, uncluttered appearance. The newly-designed, multi-function volume knob provides smooth, precise control of select Extron amplifiers, ProDSP-equipped Extron products, and other audio devices. PoE allows the controller to receive power and communications over a single Ethernet cable. The MLC Plus 200 mounts in a three-gang junction box.

FEATURES

- Manage, monitor, and control AV devices using a standard Ethernet network
- Fully customizable using Global Configurator Plus or Global Configurator Professional
- Two bidirectional RS-232 ports
- Two relays for controlling room functions
- One IR Port for connecting up to two emitters
- One Digital input
- Remote volume control port for Extron MPA Series and select XTRA™ Series amplifiers
- Supports Power over Ethernet
- Supports Ethernet-controllable devices
- Dual color, backlit buttons
- Includes black and white faceplates

MLC Plus 200

MLC Plus 200 AAP

SECTION 508

Model	Version Description	Part Number
MLC Plus 200	White and Black Faceplates, 3-Gang	60-1470-02
MLC Plus 200 AAP	White and Black Faceplates, 5-Gang	60-1541-02

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

APP

Extron Control

iPad Control App for TouchLink and MediaLink

Extron Control is an easy-to-use AV control system app that gives users complete access to Extron control systems directly from an iPad. After a quick initial setup, the iPad connects to the desired room, allowing for a seamless, highly-responsive control experience. The app automatically loads the user interfaces present on any Extron control product without a lengthy setup and customization process. The familiar interfaces emulate the TouchLink touchpanel or MediaLink controllers in your room, and all button presses are kept in sync between the app and your Extron control devices. Extron Control is available for immediate download from the iTunes App Store.

FEATURES

- Provides a convenient point of control for Extron control systems
- Supports all TouchLink, TouchLink Pro touchpanels and Ethernet-enabled MediaLink, MediaLink Plus controllers
- Familiar user interface provides the same experience as the touchpanel or controller
- Supports Extron LinkLicense
- Room Manager allows users to easily add touchpanels or controllers and customize room lists
- Quickly switch between rooms with a single tap on the screen
- Button tracking allows iPad and touchpanel or controller to stay in sync
- Provides real-time status and remote control of multiple rooms for troubleshooting and management
- Wireless control using a Wi-Fi network allows users to move freely around a room and between rooms

NOW AVAILABLE

Model	Version Description	Part Number
Extron Control	iPad App for Extron Control Systems	79-559-01

CUSTOM BUTTON BUILDER

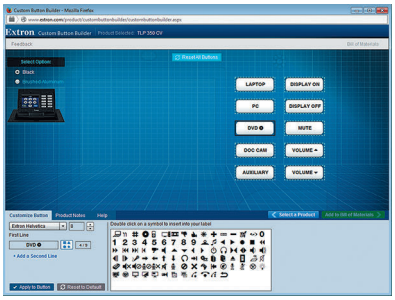
Custom Button Builder

Create Buttons with Just a Few Clicks

The Extron Custom Button Builder provides convenient and simple customization of soft-touch, backlit buttons for Extron MLC 60 Series controllers and TLP 350 touchpanels. This dynamic online tool features a graphical representation of the product's button layout and a button configurator pane with many options for easy edits.

FEATURES

- Customize text for single or dual line buttons and easily change font size while monitoring character count
- Easily add symbols to buttons
- View, add, and remove products from the Bill of Materials
- When you've finished building your buttons, the Success Screen provides a quick summary with a part number



NOW AVAILABLE

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

MEDIALINK

MLC 62 RS CC

MediaLink Controller for Cable Cubby Series/2 Cable Access Enclosures

The Extron MLC 62 RS CC is a MediaLink controller housed in a versatile mounting bracket designed to integrate into Cable Cubby® 1200 or Cable Cubby 1400 Series/2 Cable Access Enclosures. This easy-to-use keypad controller provides popular AV control functions, including power, input switching, and volume. It has eight backlit soft touch buttons and features a variety of ports, including RS-232 serial and IR ports for universal display control, two relays for control of lighting, screen settings, and other device functions, and a digital input. A convenient split-ring hole pass through plate provides access to cables from the Cable Cubby 1200 or Cable Cubby 1400 Series/2 Cable Access Enclosure.

FEATURES

- Designed to mount in a Cable Cubby® 1200 or Cable Cubby 1400 Series/2 Cable Access Enclosure
- Customizable backlit buttons
- Two-space MAAP opening for cable pass-through or AV connectivity
- Convenient cable pass through plate
- Unidirectional RS-232 and configurable IR ports for universal display control
- Two relays
- Digital input
- Easy-to-use configuration software provides fast and easy setup

Model	Version Description	Part Number
MLC 62 RS CC	IR and RS-232 for Cable Cubby Series/2	42-238-01

Installed in Cable Cubby 1200

NOW SHIPPING

MLC 55 Series

MediaLink Controllers with IR and RS-232 Display Control

The Extron MLC 55 Series Controllers are economical, easy-to-use keypad controllers used for common AV functions such as power, input selection, and volume in single display applications. They feature sleek, new looks with redesigned backlit buttons and magnetically-mounted faceplates that hide the mounting screws and configuration ports, giving the controllers a refined, uncluttered appearance. All models include IR and unidirectional RS-232 display control, discrete ON and OFF display power controls, and dual color, backlit buttons that can be custom labeled for easy identification. The MLC 55 RS VC model features a newly-designed, larger volume knob, that provides smooth, precise volume control for Extron MPA Series and select XTRA™ Series amplifiers.

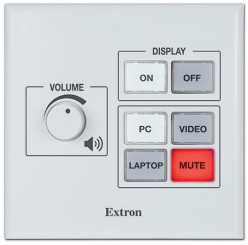
FEATURES

- Unidirectional RS-232 and IR port for universal display control
- Discrete ON and OFF display power controls
- Configurable buttons
- Dual color, backlit buttons can be custom labeled for easy identification
- Removable button caps
- IR learning capability
- Thousands of Extron certified, ready-to-use device drivers are available
- Pluggable captive screw connectors
- Easily accessible, front mount configuration
- Extron's easy-to-use MLC 55,62,64 Series software provides fast and simple set-up

Model	Version Description	Part Number
MLC 55 RS	RS-232 and IR Control	60-1390-03
MLC 55 RS EU	RS-232 and IR Control EU	60-1390-33
MLC 55 RS MK	RS-232 and IR Control MK	60-1390-23
MLC 55 RS VC	RS-232, IR, and Volume Control	60-1391-03

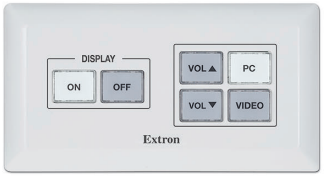
SECTION 508

MLC 55 RS



MLC 55 RS VC

MLC 55 RS MK



MLC 55 RS EU

NOW SHIPPING

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

STREAMING AV

FlexOS

NOW SHIPPING

SMP 351

H.264 Streaming Media Processor

The SMP 351 is a high performance streaming and recording processor for capturing and distributing AV sources and presentations as live streaming or recorded media. Featuring up to five inputs, the SMP 351 allows users to create high-impact presentations by combining two high resolution signals, a background image, and metadata into dynamic layouts. With Extron's FlexOS operating system, the SMP 351 is highly adaptable to new requirements using installable control applications. A comprehensive combination of signal processing, streaming, recording, and control features make the SMP 351 integration-friendly, easy to control and operate. Requiring no licensing fees, the SMP 351 has a low cost of ownership making it a cost-effective solution for delivering presentations to a wider audience.

High Resolution AV Processing

The SMP 351 combines two high resolution video signals selected from up to five available sources with mixed audio, a PNG background image, and metadata into a single blended output. High quality scaling and two-window processing supports flexible source presentation in picture-in-picture or picture-by-picture arrangements at resolutions up to 1080p/30. Select from up to sixteen customizable layouts from the front panel or an external control system.

Flexible Recording and Streaming

The SMP 351 can record and stream simultaneously. It creates MP4 (M4V) media files that can be saved to the internal 80 GB solid state storage, an external USB drive, or a defined network storage directory. The SMP 351 can stream at two resolutions concurrently, supporting overflow or streaming distribution applications using high to medium bit rates, or confidence viewing using low bit rates. A range of streaming protocols are available to support different streaming configurations and network conditions.

Integration for Presentation and Recording Workflows

The SMP 351 offers advanced signal processing and control features, which simplify management in presentation systems and recording workflows. Schedules can be entered manually or automatically updated using the iCalendar file format. Encoding and recording presets simplify configuration and management from a control system. An HDMI output presents a preview of the blended source layout with audio that is streamed and recorded.

Content Management and Playback Options

The SMP 351 produces MP4 (M4V) media files, which are compatible with virtually any media player software and popular content management systems. It integrates directly with the Opencast Matterhorn lecture capture management system, and process impromptu recording sessions using Extron's Streaming Content Manager – SCM software.

FEATURES

- Process two high resolution AV signals from up to five available input connections
- Stream and record simultaneously
- High quality scaling with flexible two-window management
- Produces MP4 media files that are compatible with virtually any media player
- Flexible I/O ports for advanced AV system management
- License-free operation contributes to a low cost of ownership
- Save recorded media to the internal 80 GB solid state drive, an external USB drive, or a defined network storage directory
- Record and stream at resolutions from 480p to 1080p/30
- Supports HDMI, component HD, composite, and optional 3G-SDI signal formats
- Easy to configure and operate using the front panel, embedded web page, or external control system
- Stream at high and low resolutions and bit rates concurrently supporting overflow and confidence viewing applications
- Extron FlexOS embedded operating system provides a platform that is highly-adaptable to new requirements
- Automate SMP 351 operation using control ports and Extron FlexOS applications
- Manage AV recordings using Extron Streaming Content Manager – SCM
- Mark chapters and events during recording sessions
- Produces JPEG thumbnail images for use by the Extron Media Player - EMP
- HDMI preview output signal presents a confidence view of the blended source layout with mixed audio
- HDMI-embedded stereo or analog stereo audio input and output
- Audio mixing and DSP functionality
- Integrates directly with the Opencast Matterhorn lecture capture content management system
- SMP 351 recordings are compatible with third party content management systems including Kaltura, iTunes-U, Blackboard LMS, SharePoint, CaptionSync, YouTube, Moodle, and RSS feed
- Schedule recording and streaming events using the iCalendar file format
- RS-232 and digital I/O control ports interface with control systems, sensors, and external devices

Model	Version Description	Part Number
SMP 351	Standard Version	60-1324-01
SMP 351 3G-SDI	with 3G-SDI Input	60-1324-02

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

STREAMING AV

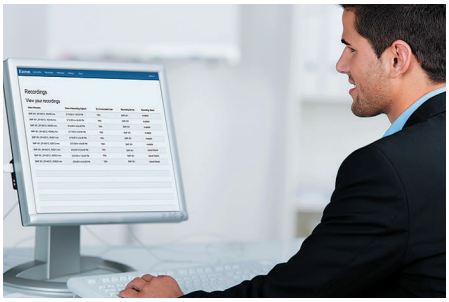
SCM

Streaming Content Manager

Streaming Content Manager - SCM is Extron's software management tool for processing, packaging, and delivering AV recordings produced by the Extron SMP 351 Streaming Media Processor during impromptu recording sessions. It processes MP4 recordings, thumbnail images, and metadata produced by the SMP 351 into a package of files that are played back from the Extron Media Player – EMP. SCM is also used to define and manage users, groups, and access rights to EMP recording packages. SCM automates management of user data and access rights by integrating data obtained from LDAP/AD network services. User data such as an email address obtained from an AV control system is used by SCM to authenticate, apply access rights, and notify users when recording packages have been completed and are available for retrieval.

FEATURES

- Process recorded media produced by the SMP 351 into Extron Media Player file packages
- Transfer recording packages to a managed network storage directory
- Import user data from LDAP/AD network services
- Automatic user updates from LDAP/AD
- Define user and group access privileges
- Manage recordings and identify user activity
- Create custom usernames and passwords
- Administrator and user management tools
- Storage capacity notification



Streaming Content Manager

NOW AVAILABLE

Model	Version Description	Part Number
SCM	Streaming Content Manager	79-584-01

EMP

Extron Media Player

Extron Media Player - EMP is a browser-based media player for MP4 (M4V) recordings produced by the SMP 351 Streaming Media Processor. EMP provides an enhanced playback experience, incorporating metadata, and an advanced set of playback controls including a playback bar that incorporates chapter marks and thumbnail images. EMP recording packages are prepared by the Extron Streaming Content Manager - SCM software. EMP can operate from any PC or personal device with a web browser.

FEATURES

- Play back MP4 (M4V) recordings created by the Extron SMP 351 Streaming Media Processor
- Play AV recordings from local or network storage locations
- Provides enhanced playback experience with metadata and advanced playback controls
- Compatible with multiple browser platforms that use the HTML5 video player
- Media play back reverts to Adobe Flash Player if browser does not support HTML5 video player
- Meets 508 accessibility standards
- Assistive technology features include alternate color palettes, high contrast, and zoom presentation modes
- Compatible with screen readers
- Keyboard controls provide an alternative interface for vision impaired and keyboard-oriented users
- Customizable player layouts

Extron Media Player

NOW AVAILABLE

Model	Version Description	Part Number
EMP	Extron Media Player	79-583-01

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

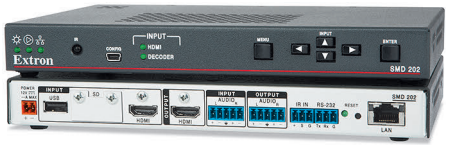
Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

STREAMING AV

SMD 202

H.264 Streaming Media Player and Decoder



The Extron SMD 202 is a compact, high performance media player and live stream decoder used in H.264 streaming applications. It provides the flexibility to present a locally connected AV signal, decode a live streaming source, or play back media files from internal memory, removable SD card, local USB, or network storage. The SMD 202 supports a wide range of media file container formats and streaming protocols, making it adaptable for use with a variety of encoded media. Advanced signal processing, scaling, and aspect ratio management supply high quality signals to AV displays. An intuitive, interactive on-screen menu provides easy setup and source selection using front panel buttons or the optional handheld IR remote control. Designed for pro AV applications, the SMD 202 can be controlled using Ethernet, RS-232, IR, and wired IR interfaces.

FEATURES

- Plays back media files from internal memory, removable SD card, USB storage, or network shares
- Decodes live H.264 streaming using a variety of streaming protocols
- Local HDMI input with embedded stereo or analog stereo audio
- Selectable output resolutions from 640x480 to 1920x1200 including 1080p/60
- Supports streaming resolutions from 480x320 up to 1080p/60
- Multi-language, interactive on-screen display for setup and source selection
- Control from front panel, IR remote, wired IR, RS-232, Ethernet, or embedded Web interface
- On screen presentation of streaming source information
- Play back media files in a loop or as part of a playlist
- Programmed channel lists and intelligent stream identification
- Seamless media file transitions and looped playback
- Elegant still frame transition effects
- Play, pause, stop, and seek transport control
- Interactive On Screen Display
- Optional SMD 202 Remote IR remote control
- HDCP-compliant HDMI input and output signal support with Visual Confirmation
- Selectable audio output format: HDMI-embedded stereo audio or analog stereo audio
- Ethernet to RS-232 pass through control
- Compatible with unicast and multicast push, or unicast and multicast pull streaming applications

Model	Version Description	Part Number
SMD 202	H.264 Player and Decoder	60-1306-01
SMD 202 Remote	Handheld IR Remote Control for SMD 202	70-1059-01

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

DANTE AUDIO PRODUCTS

NetPA 502 AT

Two Channel Audio Power Amplifier with Dante – 50 Watts Per Channel

The Extron NetPA 502 AT is a half rack 1U, convection cooled power amplifier featuring Dante™ digital audio networking. The NetPA 502 AT delivers two channels of 50 watts into 4 ohms. It can receive one or two channels of audio from a Dante-equipped audio processor over a standard local area network, greatly simplifying the cabling infrastructure for sharing audio across multiple rooms or floors in a building. In addition to amplifying incoming Dante audio, the NetPA 502 AT amplifier features two line level outputs that can simultaneously feed an additional speaker zone or audio system. It features an Extron exclusive, highly efficient, advanced Class D amplifier design, plus patented CDRS™ - Class D Ripple Suppression that provides improved signal fidelity over conventional Class D amplifiers.

FEATURES

- 100 watts rms output power:
  2 x 50 watts @ 4 ohms or 2 x 25 watts @ 8 ohms
- Energy efficient Class D amplifier
- Receives input signals via the Dante™ audio network
- Dante audio networking provides a wide range of expansion capabilities
- Dante audio pass-through to line level outputs
- Professional grade signal-to-noise and THD+N performance
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation
- Ultra low inrush current – no need for power sequencing
- Rack-mountable 1U, half rack width enclosure
- Highly reliable, energy-efficient internal universal power supply

Model	Version Description	Part Number
NetPA 502 AT	Two Channel Amp with Dante - 50 Watts/Ch . .	60-1500-01

NetPA 1001-70V AT

Mono 70 V Audio Power Amplifier with Dante – 100 Watts

The Extron NetPA 1001-70V AT is a half rack 1U, convection cooled power amplifier featuring Dante™ digital audio networking. The NetPA 1001-70V AT delivers a single channel of 100 watts at 70 volts for high impedance speaker systems. It can receive one channel of audio from a Dante-equipped audio processor over a standard local area network, greatly simplifying the cabling infrastructure for sharing audio across multiple rooms or floors in a building. In addition to amplifying incoming Dante audio, the NetPA 1001-70V AT amplifier features a line level output that can simultaneously feed an additional speaker zone or audio system. It features an Extron exclusive, highly efficient, advanced Class D amplifier design, plus patented CDRS™ - Class D Ripple Suppression that provides improved signal fidelity over conventional Class D amplifiers.

FEATURES

- 100 watts rms output power:
  1 x 100 watts @ 70 volts
- Energy efficient Class D amplifier
- Receives input signal via the Dante™ audio network
- Dante audio networking provides a wide range of expansion capabilities
- Dante audio pass-through to line level output
- Professional grade signal-to-noise and THD+N performance
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation
- Ultra low inrush current – no need for power sequencing
- Rack-mountable 1U, half rack width enclosure
- Highly reliable, energy-efficient internal universal power supply

Model	Version Description	Part Number
NetPA 1001-70V AT	70 V Mono Amp with Dante - 100 Watts	60-1501-01

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

DANTE AUDIO PRODUCTS

AXI 22 AT D

2 Input, 2 Output Audio Expansion Interface with Dante – Decora® Wallplate

The Extron AXI 22 AT D is a single-gang Decora®-style audio interface for integrating two mic/line sources onto a Dante™-enabled DMP 128 audio system. It features two XLR audio inputs and switchable 48 volt phantom power for connecting and powering condenser microphones, plus gain controls for each input. The AXI 22 AT D also features two line outputs behind the wallplate for routing any two Dante channels from the network to an amplifier, or connecting into an optional secondary wallplate with two XLR outputs. The AXI 22 AT D interfaces with Extron Dante-equipped audio processors over a standard local area network, and can be powered through PoE. This greatly simplifies the cabling infrastructure for integrating audio connectivity in locations remote from a central equipment rack.

FEATURES

- Two mic/line level inputs with switchable 48 volt phantom power
- Two Dante™ to line level outputs
- Dante audio networking provides a wide range of expansion capabilities
- Studio grade 24-bit/48 kHz analog-to-digital and digital-to-analog converters
- Back panel recessed, detented gain controls
- XLR audio inputs for direct microphone connection
- Optional secondary wallplate with two XLR outputs, part #70-1103-02 and 70-1103-03
- Power over Ethernet allows the AXI 22 AT D to receive power over a single Ethernet cable, eliminating the need for a local power supply
- Mounts in an included Decora-style wallplate
- Highly reliable, energy-efficient external universal power supply included, replacement part #70-775-01

Model	Version Description	Part Number
AXI 22 AT D	2 In, 2 Out Expansion Interface - Decora - Black	60-1517-02
AXI 22 AT D	2 In, 2 Out Expansion Interface - Decora - White	60-1517-03

AXP 64 C AT

6 Input, 4 Output Audio Expansion Processor with AEC and Dante

The Extron AXP 64 C AT is an audio expansion processor with six mic/line inputs and four line outputs for remote connectivity to a Dante™-enabled DMP 128 audio system. It is used to place six mic/line sources onto a Dante audio network, and route any four Dante channels from the network to an amplifier or other destination. The AXP 64 C AT features Extron ProDSP™ with gain, filtering, and dynamics processing for all inputs and outputs. Four of the inputs also include AEC, 48 volt phantom power, and dedicated control ports for mic control. FlexInputs offer the additional capability to process Dante channels in place of the first four local inputs. A single Ethernet cable from one AXP 64 C AT, or several linked units, to a central equipment rack greatly reduces the effort and expense of pulling one cable for each endpoint.

FEATURES

- Six mic/line level inputs, four with 48 volt phantom power
- Four independent channels of AEC - acoustic echo cancellation
- Four inputs with FlexInput capability to select between analog or Dante inputs
- Four Dante to line level outputs
- Dante audio networking provides a wide range of expansion capabilities
- Built-in four-port Gigabit switch
- One digital input and dual digital outputs at first four mic/line inputs for control
- Compact 1U, half rack width metal enclosure
- ProDSP™ 32/64-bit floating point signal processing
- Studio grade 24-bit/48 kHz analog-to-digital and digital-to-analog converters
- Low latency DSP processing
- DSP Configurator™ Software
- Intuitive Graphical User Environment
- Flexible pre- and post-processing input signal routing
- Flexible control options
- Building Blocks processor settings

Model	Version Description	Part Number
AXP 64 C AT	6 In, 4 Out Expansion Processor	60-1499-01

NOW SHIPPING

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

AUDIO PRODUCTS

XPA 1002-70V and XPA 1002-100V

Two Channel High Impedance Amplifiers – 100 Watts Per Channel

The Extron XTRA™ Series XPA 1002-70V and XPA 1002-100V are half rack 1U, convection cooled power amplifiers delivering two channels of 100 watts per channel for 70 volt or 100 volt high impedance speaker systems in voice reinforcement and distributed audio applications. These professional grade amplifiers feature a 100 dB signal-to-noise ratio with 0.1% THD+N. The XPA 1002-70V and XPA 1002-100V are ENERGY STAR® qualified amplifiers with an Extron exclusive, highly efficient, advanced Class D amplifier design. They also feature patented CDRS™ - Class D Ripple Suppression technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifiers. The XPA 1002-70V and XPA 1002-100V are housed in a half rack width metal enclosure, conserving rack space and weighing only 2.5 lbs (1.1 kg). The Extron exclusive, high efficiency design generates very little heat and allows the amplifier to be convection cooled.

FEATURES

- 200 watts rms output power:
  XPA 1002-70V - 2 x 100 watts @ 70 volts
  XPA 1002-100V - 2 x 100 watts @ 100 volts
- ENERGY STAR® qualified amplifier
- Professional grade signal-to-noise and THD+N performance
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation
- Ultra low inrush current - no need for power sequencing
- Power factor correction - removes harmonic content on AC line
- Rack-mountable 1U, half rack width enclosure
- UL 2043 plenum rated when used with optional Flexible Conduit Adapter Kit
- Highly reliable, energy-efficient internal universal power supply

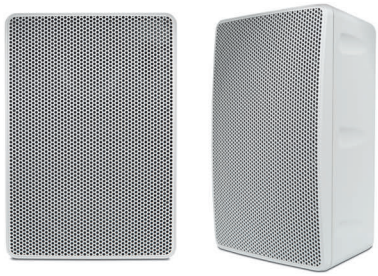
ENERGY STAR

Learn more about cost saving XTRA™ technologies
www.extron.com/xtrapaper

Model	Version Description	Part Number
XPA 1002-70V	100 Watts Per Ch @ 70 V	60-1302-01
XPA 1002-100V	100 Watts Per Ch @ 100 V	60-1302-11

SM 28

SpeedMount Two-Way Surface Mount Speakers with 8" Woofer



SPEED MOUNT

The Extron SM 28 SpeedMount® Surface Mount Speaker is a two-way speaker with a patent pending, concealed wall mounting system. It features an 8" (20.3 cm) woofer with dual tuned ports and a 1" (2.5 cm) tweeter. The SM 28 provides a frequency range from 59 Hz to 22 kHz, and a power rating of 90 watts continuous pink noise, 180 watts continuous program capacity. The Extron-exclusive mounting system is designed to accommodate division-of-labor installations and save costs. The SM 28 is available as an 8 ohm model, and an SM 28T version which can operate in 8 ohm direct as well as 70 volt and 100 volt modes. The SM 28T features a 5 position power tap selector for up to 64 watts, which can conveniently be accessed through the grille from outside the speaker.

FEATURES

- Patent pending, concealed mounting system
- Includes 0° mounting plate and 10° mounting adapter
- Designed to accommodate division-of-labor installations and save costs
- 1" (2.5 cm) silk dome tweeter
- 8" (20.3 cm) long-throw woofer with dual tuned bass reflex ports
- Two versions available for low impedance or 70/100 volt systems
- Convenient 5 position, through-the-grille power tap selector on the SM 28T:
  - 8 ohm direct
  - 70 volt: 64, 32, 16, and 8 watt selectable
  - 100 volt: 64, 32, and 16 watt selectable
- Optional yoke mount allows 180° of speaker pivot in 10° detented steps, part #70-994-02 and 70-994-03
- Frequency range: 59 Hz to 22 kHz
- 90 watts continuous pink noise, 180 watts continuous program
- Internal driver overload protection
- Hidden locking speaker release mechanism
- Black or white high-impact enclosure
- 5 year parts and labor warranty

Model	Version Description	Part Number
SM 28	8 ohm - Black, Pair	60-1309-02
SM 28	8 ohm - White, Pair	60-1309-03
SM 28T	Transformer - Black, Pair	60-1309-12
SM 28T	Transformer - White, Pair	60-1309-13
Yoke Mount	Yoke Mount for SM 28, Pair - Black	70-994-02
Yoke Mount	Yoke Mount for SM 28, Pair - White	70-994-03

For updated product availability, go to www.extron.com

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

AUDIO PRODUCTS

CS 123T

Full-Range 70/100 V SpeedMount Ceiling Speaker System

SPEED MOUNT

NOW SHIPPING

The Extron CS 123T SpeedMount® Ceiling Speaker System is a patented low profile, plenum rated two-piece speaker system. It provides an extremely wide 165° conical dispersion for flexibility in speaker spacing. The system is designed for applications where high intelligibility and maximum coverage is desired in paging applications and low ceiling installations. The innovative system consists of the CS 120P plenum rated enclosure and a CS 3T full-range speaker cartridge. The enclosure installs quickly into 2' x 2' (61 cm x 61 cm) or 600 mm x 600 mm suspended ceilings. The speaker cartridge features a 3" (7.6 cm) full-range driver, and can be used in 70/100 volt or 8 ohm operation. The CS 123T is available as a complete assembly, or the CS 120P and CS 3T can be purchased separately to accommodate division-of-labor installations. This unique speaker design greatly simplifies ceiling speaker installation and delivers significant time and cost savings.

FEATURES

- Patented two-piece speaker system for suspended ceilings in division-of-labor installations
- Enclosure and speaker cartridge can be installed separately by low-voltage and AV system contractors
- Provides significant time and cost savings in ceiling speaker installation
- 3" (7.6 cm) full-range driver
- 165° conical dispersion provides wide coverage and allows for flexible speaker placement
- 8 ohm direct or 70/100 volt operation on a 6 position, behind-the-grille selector
- 16 watts continuous pink noise, 32 watts continuous program
- Internal driver overload protection
- Thin bezel and magnetically attached grille
- Grille and bezel are available in white only and may be painted to match environment
- Spring-loaded locking arms on the CS 3T for quick installation
- Fast-installing enclosure speeds installation; no tile bridge necessary
- UL 2043 plenum rated enclosure
- Low profile, 5" (12.7 cm) deep enclosure for plenum environments
- Compatible with US 2' x 2' ceiling grids and metric 600 mm x 600 mm ceiling grids
- Reinforced enclosure minimizes acoustical vibrations
- 5 year parts and labor warranty

Model	Version Description	Part Number
CS 123T	Full-Range SpeedMount Speaker System, Pair	42-242-03
CS 120P	SpeedMount Enclosure, Pair	70-976-01
CS 3T	Full-Range, Open Back Speaker, Transformer, Pair	60-1463-03

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com

© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

FIBER OPTICS

FOX II DP 4K

Fiber Optic Extender for DisplayPort, Multi-Channel Audio, RS-232, and IR

FOX II T DP 4K FOX II R DP 4K

4K UHD

The Extron FOX II DP 4K Fiber Optic Extender provides long haul extension of DisplayPort video, multi–channel audio, RS–232 control, and IR control signals over fiber optic cabling. Engineered for reliability and exceptional high resolution image performance, it uses Extron all–digital technology to deliver lossless DisplayPort computer and video images up to 4096x2160, including 1080p/60 with Deep Color. This HDCP–compliant transmitter and receiver set brings new features to the FOX II Series, including support for 4K video, Type 2 dual–mode DisplayPort outputs, and selectable downscaling for interoperability with lower resolution displays. The FOX II DP 4K also includes many integrator–friendly features such as Key Minder®, EDID Minder®, audio embedding, audio gain and attenuation, along with real-time system monitoring.

FEATURES

- Extends DisplayPort video, multi–channel audio, RS–232 control, and IR control signals over fiber optic cabling
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- HDCP compliant
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- Type 2 dual–mode DisplayPort for interoperability with HDMI, DVI, or VGA devices
- Selectable downscaling for interoperability with lower resolution displays
- Buffered DisplayPort input loop–through - FOX II T DP 4K
- Audio return channel
- Bidirectional RS–232 and IR signal transmission over fiber optic cabling for AV device control

Model	Version Description	Part Number
FOX II T DP 4K MM	DP Transmitter - Multimode	60-1462-11
FOX II R DP 4K MM	DP Receiver - Multimode	60-1462-21
FOX II T DP 4K SM	DP Transmitter -Singlemode	60-1462-12
FOX II R DP 4K SM	DP Receiver - Singlemode	60-1462-22

FOX II T HD 4K

Fiber Optic Transmitter for HDMI, Multi-Channel Audio, RS-232, and IR

4K UHD

The Extron FOX II T HD 4K Fiber Optic Transmitter provides long haul extension of HDMI video, multi–channel audio, RS–232 control, and IR control signals over fiber optic cabling. Engineered for reliability and exceptional high resolution image performance, it uses Extron all–digital technology to deliver lossless HDMI computer and video images up to 4096x2160, including 1080p/60 with Deep Color. This HDCP–compliant transmitter brings new features to the FOX II Series, including support for 4K video along with selectable downscaling for the local monitor output. The FOX II T HD 4K also includes many integrator–friendly features such as Key Minder®, EDID Minder®, audio embedding, audio gain and attenuation, as well as real–time system monitoring.

FEATURES

- Transmits HDMI video, multi–channel audio, RS–232 control, and IR control signals over fiber optic cabling
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- HDCP compliant
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- Buffered HDMI input loop–through
- Selectable downscaling for interoperability with lower resolution displays
- Audio return channel
- Bidirectional RS–232 and IR signal transmission over fiber optic cabling for AV device control

Model	Version Description	Part Number
FOX II T HD 4K MM	HDMI Transmitter - Multimode	60-1351-11
FOX II T HD 4K SM	HDMI Transmitter - Singlemode	60-1351-12

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

FIBER OPTICS

FOX USB Extender Plus

Fiber Optic Extender for USB Peripherals

FOX T USB Extender Plus FOX R USB Extender Plus

NOW SHIPPING

The Extron FOX USB Extender Plus is a fiber optic transmitter and receiver set for long haul transmission of USB signals over fiber optic cabling. Engineered for reliability and exceptional performance, it uses Extron all-digital technology to deliver a perfect signal. This fiber optic extender is compatible with USB 3.0, 2.0, 1.1, and 1.0 devices with transfer data rates up to 480 Mbps. Designed specifically for AV systems, the FOX USB Extender Plus includes many integrator friendly features such as peripheral emulation, an active four-port hub that supplies 5 Volts, 500 mA per port, and real-time system monitoring. Compact, low-profile enclosures allow for discreet installation.

FEATURES

- Extends USB peripherals very long distances over fiber optic cabling
- Supports USB 3.0, 2.0, 1.1, and 1.0 devices with data transfer rates up to 480 Mbps
- Receiver features an integrated four-port hub with 5 Volts, 500 mA available on each port
- Peripheral emulation
- Real-time status LED indicators for troubleshooting and monitoring
- Compatible with Extron FOX Matrix Switchers for signal distribution systems up to 1000x1000 and larger

Model	Version Description	Part Number
FOX T USB Extender Plus MM	Multimode - Transmitter	60-1474-11
FOX R USB Extender Plus MM	Multimode - Receiver	60-1474-21
FOX T USB Extender Plus SM	Singlemode - Transmitter	60-1474-12
FOX R USB Extender Plus SM	Singlemode - Receiver	60-1474-22
FOX T USB Extender Plus HID MM	Multimode - HID Transmitter	60-1526-11
FOX R USB Extender Plus HID MM	Multimode - HID Receiver	60-1526-21
FOX T USB Extender Plus HID SM	Singlemode - HID Transmitter	60-1526-12
FOX R USB Extender Plus HID SM	Singlemode - HID Receiver	60-1526-22

FOX II RS 104

Four Port Fiber Optic RS-232 Inserter

The Extron FOX II RS 104 is a four port fiber optic RS-232 inserter for long-haul transmission of control signals to remote devices over fiber optic cabling. Each port provides a bidirectional fiber optic connection to a FOX or FOX II Series extender for the insertion and extraction of control data, while maintaining a continuous pass-through link for video and audio. Engineered with uncompromising quality and proven performance, it uses Extron all-digital technology to deliver pixel-for-pixel DisplayPort, HDMI, DVI, computer-video, and standard definition video. Output reclocking on the buffered fiber optic outputs ensures signal integrity, sending a fiber optic signal at its original power level.

FEATURES

- RS-232 insertion from the Ethernet port to one or more of the fiber optic outputs
- Buffered outputs restore optical budget to maximize distance capabilities
- Output reclocking reshapes and restores the timing of a digital signal
- Ethernet monitoring and control
- Available as an 850 nm multimode model for moderate-range transmissions up to 2 km (1.25 miles) and a 1310 nm singlemode model for extreme distances up to 30 km (18.75 miles)
- Industry standard LC connectors provide reliable physical connectivity and precise fiber core alignment
- Real-time status LED indicators for troubleshooting and monitoring
- Compatible with Extron FOX Series matrix switchers for signal distribution systems up to 1000x1000 and larger
- Compatible with Extron FOX Series HDMI, DVI, VGA, VGA/YUV, and AV transmitters and receivers

Model	Version Description	Part Number
FOX II RS 104 MM	RS-232 Inserter - Multimode	60-1458-01
FOX II RS 104 SM	RS-232 Inserter - Singlemode	60-1458-02

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

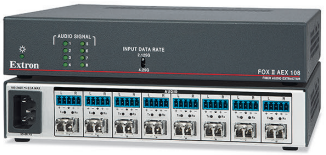
www.extron.com

© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

FIBER OPTICS

FOX II AEX 108

Eight Port Fiber Optic Audio Extractor



The Extron FOX II AEX 108 Eight Port Fiber Optic Audio Extractor enables independent processing and routing of audio signals in a fiber optic AV distribution system. Each input port extracts the two-channel audio signal from a FOX II or FOX Series transmitter to provide analog balanced or unbalanced stereo audio, and retransmits the original fiber optic signal to the receiver. Output reclocking on the buffered pass-through maintains signal integrity, transmitting the signal at the original power level. Featuring high-speed, all-digital signal transmission of pixel-perfect video, audio, and control signals over fiber optic cabling, the FOX II AEX 108 is compatible with FOX II Series extenders and FOX Series HDMI, DVI, VGA, VGA/YUV, and AV transmitters and receivers.

FEATURES

- Provides local audio outputs from up to eight FOX or FOX II Series fiber optic signals, extracting analog stereo audio for independent processing and routing
- Extracts audio from the eight ports simultaneously
- Balanced or unbalanced analog stereo audio output for integration with audio processing and distribution equipment
- Output reclocking reshapes and restores timing of the fiber optic signal
- Buffered input loop-throughs restore optical budget to maximize distance capabilities
- Compatible with Extron FOX Matrix Switchers for signal distribution systems up to 1000x1000 and larger
- Compatible with Extron FOX Series distribution amplifiers
- Compatible with Extron FOX Series HDMI, DVI, VGA, VGA/YUV, and AV transmitters and receivers
- Rack-mountable 1U, half rack width metal enclosure

Model	Version Description	Part Number
FOX II AEX 108 MM	Audio Extractor - Multimode	60-1459-01
FOX II AEX 108 SM	Audio Extractor - Singlemode	60-1459-02

PowerCage FOX II AEX 104

Four Port Fiber Optic Audio Extractor

The Extron PowerCage FOX II AEX 104 Four Port Fiber Optic Audio Extractor is a modular board designed for the Extron PowerCage 1600 enclosure that enables independent processing and routing of audio signals in a fiber optic AV system. Each input port extracts the two-channel audio signal from a FOX or FOX II Series transmitter to provide analog balanced or unbalanced stereo audio, and retransmits the original fiber optic signal to the receiver. Output reclocking on the buffered pass-through maintains signal integrity, transmitting the signal at the original power level. Featuring high-speed, all-digital signal transmission of pixel-perfect video, audio, and control, the PowerCage FOX II AEX 104 is compatible with FOX II Series extenders and FOX Series HDMI, DVI, VGA, VGA/YUV, and AV transmitters and receivers.

FEATURES

- Provides local audio outputs from up to four FOX or FOX II Series fiber optic signals, extracting analog stereo audio for independent processing and routing
- Extracts audio from the four ports simultaneously
- Balanced or unbalanced analog stereo audio output for integration with audio processing and distribution equipment
- Output reclocking reshapes and restores timing of the fiber optic signal
- Buffered input loop-throughs restore optical budget to maximize distance capabilities
- Real-time status LED indicators for troubleshooting and monitoring
- Modular, hot-swappable board designed for the PowerCage 1600 enclosure, part #60-978-01
- Compatible with Extron FOX Matrix Switchers for signal distribution systems up to 1000x1000 and larger

Model	Version Description	Part Number
PowerCage FOX II AEX 104 MM	Audio Extractor - Multimode	70-1068-01
PowerCage FOX II AEX 104 SM	Audio Extractor - Singlemode	70-1068-02

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

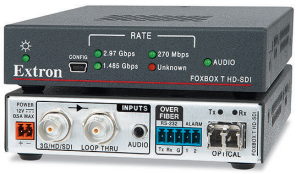
Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

FIBER OPTICS

FOXBOX T HD-SDI

Fiber Optic Transmitter for 3G-SDI, Stereo Audio, and RS-232



The Extron FOXBOX T HD-SDI Fiber Optic Transmitter converts 3G-SDI, HD-SDI, and SDI video for use with FOX Series DisplayPort, HDMI, DVI, and VGA receivers, including the FOXBOX SR HDMI scaling receiver. Engineered with uncompromising quality and proven performance, it uses Extron all-digital technology to provide perfect pixel-for-pixel transmission of video. It also transmits embedded AES audio or stereo analog audio and RS-232 control signals for increased system integration flexibility. This transmitter includes many integrator-friendly features such as SD Pro processing, input cable equalization, audio embedding, audio gain and attenuation, as well as real-time system monitoring. The FOXBOX T HD-SDI transmitter enables simple and streamlined integration of SDI sources with non-SDI displays in a fiber optic AV system.

FEATURES

- Converts 3G-SDI, HD-SDI, and SDI signals for long distance transmission over fiber optic cabling to a FOX Series DisplayPort, HDMI, DVI, or VGA receiver
- Supports data rates from 270 Mbps to 2.97 Gbps
- SD Pro processing provides deinterlacing of standard definition video
- Buffered 3G-SDI/HD-SDI/SDI input loop-through
- Bidirectional RS-232 signals over fiber optic cable for AV device control
- Audio embedding
- Embedded AES audio support
- Input equalization and reclocking on buffered loop-through
- Real-time status LED indicators for troubleshooting and monitoring
- Audio gain and attenuation adjustment capability
- Alarm notification for fiber link loss

Model	Version Description	Part Number
FOXBOX T HD-SDI MM	Multimode - Transmitter	60-1411-11
FOXBOX T HD-SDI SM	Singlemode - Transmitter	60-1411-12

USB FOR PRO AV

USB Extender Plus Series

Twisted Pair Extender for USB Peripherals

NOW SHIPPING

The USB Extender Plus Series extends signals from USB peripheral devices located up to 330 feet (100 meters) away from the host computer using a single CATx cable. It is compatible with USB 3.0, 2.0, 1.1, and 1.0 devices with transfer data rates up to 480 Mbps. The transmitter includes USB peripheral emulation to enable trouble-free booting of a host computer that is not connected to a keyboard or mouse. For simplified integration, the receiver features a built-in, active four-port hub that supplies 5 Volts, 500 mA on each port to power attached devices. Available in various form factors, the USB Extender Plus Series supports USB peripherals such as interactive whiteboards, keyboards, mice, mass storage devices, webcams, headsets and speakers, along with other USB devices in a wide variety of environments.

FEATURES

- Extends USB peripherals up to 330 feet (100 meters) on one CATx cable
- Supports USB 3.0, 2.0, 1.1, and 1.0 devices with data transfer rates up to 480 Mbps
- Receiver features an integrated four port hub with 5 Volts, 500 mA available on each port
- Peripheral emulation
- Real-time status LED indicators for troubleshooting and monitoring
- Choice of rack-mountable and architectural form factors

Model	Version Description	Part Number
USB Extender Plus T	Transmitter	60-1471-12
USB Extender Plus R	Receiver	60-1471-13
USB Extender Plus D T	Transmitter - Decora Version - White	60-1473-13
USB Extender Plus D R	Receiver - Decora Version - White	60-1473-23
USB Extender Plus AAP T	Transmitter - AAP Version - Black	60-1472-12
USB Extender Plus AAP R	Receiver - AAP Version - Black	60-1472-22
USB Extender Plus AAP R	Receiver - AAP Version - White	60-1472-23

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

WIRELESS

eLink 100

Professional Grade Wireless Extender for HDMI

NOW SHIPPING

The Extron eLink 100 is a professional-grade wireless transmitter and receiver set for extension of HDMI video and multi-channel audio up to 100 feet (30 meters). This HDCP-compliant extender features a robust wireless communication technology to ensure high reliability and real-time performance with exceptional image quality for resolutions up to 1920x1080, including HDTV 1080p/60. It includes features designed specifically for professional AV systems such as AES-128 encryption to ensure a secure link and use of the 5 GHz spectrum for transmission through multiple walls. Extron eLink™ technology ensures reliable operation of up to four eLink extender sets, even if other wireless systems are within the same facility. In addition to point-to-point designs, one transmitter can support four receivers to create a wireless distribution system.

FEATURES

- Reliable, professional-grade wireless extension of HDMI video and multi-channel audio signals up to 100 feet (30 meters)
- Capable of transmitting through multiple walls and furniture
- Supports computer video up to 1920x1080, including HDTV 1080p/60
- HDCP Compliant
- Ultra-low latency transmission of video and audio signals
- Professional-grade technology enables simultaneous transmission from one transmitter to as many as four receivers
- Actively monitors RF spectrum to select the ideal transmission channels
- Supports multiple embedded audio formats
- eLink™ wireless technologies allow as many as four transmitter and receiver sets to operate within the same space
- Multi-input and multi-output, or MIMO, wireless technology provides robust connection
- Cost-effective alternative to cable installation

Model	Version Description	Part Number
eLink 100 T US	Transmitter - US/Canada version	60-1490-02
eLink 100 R US	Receiver - US/Canada version	60-1490-03
eLink 100 T EU	Transmitter - EU version	60-1490-12
eLink 100 R EU	Receiver - EU version	60-1490-13
eLink 100 T AUS	Transmitter - AUS version	60-1490-22
eLink 100 R AUS	Receiver - AUS version	60-1490-23

ShareLink 200

Wireless Collaboration Gateway

ShareLink 200

ShareLink 200 N
Collaboration Gateway - Network Version

NOW SHIPPING

The Extron ShareLink 200 Wireless Collaboration Gateway enables anyone to present content from a laptop, smartphone, or tablet on a display, transforming any meeting room into a collaboration space. ShareLink™ technology supports simultaneous display of slides, documents, graphs, and photos from up to four devices without needing a cable. It is compatible with Windows® and OS X® computers as well as Apple® and Android® smartphones and tablets. It also includes a moderator mode to ensure only approved content is displayed. In meeting rooms with sight line concerns, attendees can view slides on a personal device via a Web browser. The professional capabilities of the ShareLink 200 provide easy integration of personal devices into scrum meetings, huddle rooms, interactive collaborative spaces, and larger presentation environments.

FEATURES

- Wirelessly share content from personal mobile devices
- Supports Microsoft Windows® and OS X® computers as well as Apple® and Android® smartphones and tablets
- Simultaneous content display from up to four different personal devices
- Dropbox integration within the MirrorOp® for Extron ShareLink™ app provides easy access to content stored in the cloud
- Moderator mode ensures only approved content is displayed
- Content sharing from a computer to as many as four ShareLink 200 units on the network
- Full screen or four-window display
- WebShare™ technology enables attendees to view slide images on personal devices via a Web browser
- Power over Ethernet, or PoE, eliminates the need for a local power supply

Model	Version Description	Part Number
ShareLink 200	Wireless Collaboration Gateway	60-1508-01
ShareLink 200 N	Collaboration Gateway - Network Version	60-1508-02

For updated product availability, go to www.extron.com

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

ARCHITECTURAL CONNECTIVITY

Cable Cubby 202

Series/2 Cable Access Enclosure for AV Connectivity and AC Power

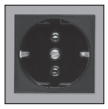
The Extron Cable Cubby® 202 is a compact cable access enclosure with one fixed, unswitched AC outlet and a removable Cable Pass-Through Bracket that accommodates up to four AV cables. The modular design allows cables to be installed or serviced from the top of the enclosure, after it's installed in the furniture surface. Optional bracket kits are available to support up to three Extron Retractor Series/2 cable retraction modules or two single-space AAP - Architectural Adapter Plates for alternate connectivity needs. For ease of installation, the Cable Cubby 202 features a hidden, integrated clamp system that quickly secures the enclosure to the furniture surface with common hand tools. The tilt-up lid is held open by a small magnetic catch, facilitating the use of the Cable Cubby 202 in both horizontal and vertical mounting orientations. When closed, the lid provides a single, full width cable pass-through. The Cable Cubby 202 is available with AC outlets for the US, Europe, and other world markets. The US model also includes an opening for one MAAP - Mini Architectural Adapter Plate, such as a momentary switch or USB pass-through connector. The Cable Cubby 202 is available in a durable black powder coat finish.

FEATURES

- Includes one unswitched AC power outlet and Cable Pass-Through Bracket for up to four AV cables
- Unique, split-ring bracket design allows cables to be installed or serviced from the top of the enclosure, after it's installed
- Versions available with AC power for the US, Europe, and other world markets
- UL/c-UL listed and CE compliant
- Simple, integrated clamp system secures the enclosure to the furniture surface with common hand tools
- Optional Retractor and AAP - Architectural Adapter Plate Bracket Kits also available
- Retractor Bracket Kit holds three Retractor Series/2 or Retractor Series/2 XL cable retraction modules; part #70-1043-02, sold separately
- AAP Bracket Kit accommodates two single-space AAP - Architectural Adapter Plates; part #70-1043-01, sold separately
- US version also accommodates one single-space MAAP - Mini Architectural Adapter Plate; sold separately
- Tilt-up lid and full-width cable pass-through for convenient access to AV and power
- A magnetic catch holds the lid open in any mounting orientation

Cable Cubby 202 shown with optional products; sold separately

US



Central Europe

UK

France

Multi-Region

Australia

UL LISTED CE

NOW SHIPPING

Model	Version Description	Part Number
Cable Cubby 202 US	One US AC	60-1399-02
Cable Cubby 202 EU	One EU AC	60-1400-02
Cable Cubby 202 FR	One France AC	60-1401-02
Cable Cubby 202 AUS	One Australia AC	60-1402-02
Cable Cubby 202 MULTI	One Multi-Region AC	60-1403-02
Cable Cubby 202 UK	One UK AC	60-1425-02
Cable Cubby 202 Routing Template	Routing Template for Cable Cubby 202	70-1044-80
Cable Cubby 202 Retractor Bracket	Holds Three Retractor Modules	70-1043-02
Cable Cubby 202 AAP Bracket	Holds Two AAPs	70-1043-01

***Note:** For complete compatibility information on supported AC plug types, see the Multi-Region AC Outlet Compatibility Guide, available online at www.extron.com/Multi-RegionGuide.

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com

© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

ARCHITECTURAL CONNECTIVITY

CableCover

Under-Table Cable Bag for Cable Cubby and Cable Cubby Series/2 Enclosures

The Extron CableCover is a durable, fitted bag that mounts below most Cable Cubby, Cable Cubby Series/2, and TouchLink Cable Cubby enclosures. When installed, CableCover improves under-table cable management and aesthetics, minimizing cable tangles and preventing accidental disconnections. CableCover is 19" (48 cm) high, providing ample room for up to eight AV cables or three Extron Retractor Series/2 cable retraction modules. Simple pass-through openings at the top and bottom of the bag facilitate cable installation and connection with both surface- and floor-mounted AV products. CableCover is available in black and includes a roll of self-adhesive, hook-and-loop tape for mounting to the enclosure.

FEATURES

- Under-table cable bag for improved cable management and aesthetics
- Ideal for use in new or existing Cable Cubby installations
- Fits most Cable Cubby, Cable Cubby Series/2, and TouchLink Cable Cubby enclosures
- Minimizes cable tangles and prevents accidental disconnections
- Accommodates up to eight AV cables or three Retractor Series/2cable retraction modules
- Convenient top and bottom cable pass-through openings simplify use with surface and floor mounted AV products

Model	Version Description	Part Number
CableCover	For Cable Cubby Enclosures	70-1080-01

NOW SHIPPING

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

ARCHITECTURAL CONNECTIVITY

Retractor Series/2

Cable Retraction System with Speed Control for Cable Cubby Enclosures

The Extron Retractor Series/2 is a patented, variable-speed cable retraction and management system designed to work with Cable Cubby®, Cable Cubby Series/2, and TouchLink Cable Cubby cable access enclosures. Retractor Series/2 modules are available to support most AV and data signal types, including HDMI, DisplayPort, VGA, Network, PC Audio, and USB. Cables extend up to three feet (90 cm) and are held securely in place at the desired length. The cables retract at the press of a button, with integrator-adjustable retraction speed control for smooth operation in both horizontal and vertical mounting orientations.

FEATURES

- Convenient, easy to install cable retraction system for Cable Cubby® cable access enclosures
- Cables extend up to three feet (90 cm)
- Holds cable securely in place at a user-defined length
- Simple push-button release retracts cable into Cable Cubby enclosure after use
- Precise variable-speed cable retraction control provides more than 50 steps of adjustment between 1.5 and 4.0 seconds
- Engineered for long life and reliability, and tested to exceed 7,500 cable extension and retraction cycles

Retractor Series/2 HDMI

Integrator-adjustable retraction speed control

Model	Version Description	Part Number
Retractor Series/2 VGA	VGA; 3 feet (90 cm)	70-1065-01
Retractor Series/2 PC Audio	3.5 mm Stereo Audio; 3 feet (90 cm)	70-1065-02
Retractor Series/2 Network	Network CAT6e; 3 feet (90 cm)	70-1065-03
Retractor Series/2 HDMI	HDMI; 3 feet (90 cm)	70-1065-04
Retractor Series/2 USB	USB A to USB A; 3 feet (90 cm)	70-1065-05
Retractor Series/2 DisplayPort	DisplayPort; 3 feet (90 cm)	70-1065-07
Retractor Series/2 DC	DC Power Extension: Dell, HP, other PCs; 3 ft/90cm	70-1065-10
Retractor Series/2 VGA-A	VGA M-M and 3.5 mm Stereo; 3 feet (90 cm)	70-1065-11

NOW SHIPPING

AVAILABLE RETRACTOR SIGNAL TYPES

HDMI | DisplayPort | Network | VGA | PC Audio | USB | DC Power

Retractor Series/2 XL

Extended Length Cable Retraction System with Speed Control for Cable Cubby Enclosures

The Extron Retractor Series/2 XL is a patented, variable-speed cable retraction and management system designed to work with Cable Cubby®, Cable Cubby Series/2, and TouchLink Cable Cubby cable access enclosures. Retractor Series/2 XL modules are available to support most AV and data signal types, including HDMI, DisplayPort, VGA, PC Audio, Network, and USB. Cables extend up to five feet (152 cm) and are held securely in place at the desired length. The cables retract at the press of a button, with integrator-adjustable retraction speed control for smooth operation in both horizontal and vertical mounting orientations.

FEATURES

- Convenient, easy to install cable retraction system for Cable Cubby® cable access enclosures
- Cables extend up to five feet (152 cm)
- Holds cable securely in place at a user-defined length
- Simple push-button release retracts cable into Cable Cubby enclosure after use
- Precise variable-speed cable retraction control provides more than 50 steps of adjustment between 1.5 and 4.0 seconds
- Engineered for long life and reliability, and tested to exceed 7,500 cable extension and retraction cycles

Retractor Series/2 HDMI and Retractor Series/2 XL HDMI

NOW SHIPPING

Model	Version Description	Part Number
Retractor Series/2 XL VGA	VGA; 5 feet (152 cm)	70-1066-01
Retractor Series/2 XL PC Audio	3.5 mm Stereo Audio; 5 feet (152 cm)	70-1066-02
Retractor Series/2 XL Network	Network CAT6e; 5 feet (152 cm)	70-1066-03
Retractor Series/2 XL HDMI	HDMI; 5 feet (152 cm)	70-1066-04
Retractor Series/2 XL USB	USB A to USB A; 5 feet (152 cm)	70-1066-05
Retractor Series/2 XL DisplayPort	DisplayPort; 5 feet (152 cm)	70-1066-07
Retractor Series/2 XL DC	DC Power Extension: Dell, HP, other PCs; 5ft/152cm	70-1066-10
Retractor Series/2 XL VGA-A	VGA and Stereo Audio; 5 feet (152 cm)	70-1066-11

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com

© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

ARCHITECTURAL CONNECTIVITY

Hideaway HSA 300

HSA - Hideaway Surface Access Enclosure with AV Connectivity, AC Power, and USB Power

The Extron Hideaway® HSA 300 is a compact, tilt-up, furniture-mountable enclosure for inconspicuous access to AV connectivity, AC power, and USB power. It features pass-through connectors for HDMI, VGA, Stereo Audio, and Network signals, one unswitched AC outlet, and two 5 VDC USB power outlets for charging mobile devices such as smartphones or tablets. When closed, the HSA 300 sits virtually flush with the table surface. To open, press the top of the enclosure and the HSA 300 slowly pivots into view, presenting the connectors at an ergonomic 49 degree angle to the tabletop. The HSA 300 is available with one US, UK, Central Europe, or Multi-Region AC outlet that's compatible with a variety of AC plug types. The HSA 300 is available in a durable black anodized finish to complement most furniture styles and room decor.

FEATURES

- Provides convenient access to HDMI, VGA, Stereo Audio, and Network connectivity
- Provides two 5 VDC USB power outlets and up to 2.1 A / 10.5 watts of power for charging mobile devices
- Unswitched AC power outlets available for the US, Europe, and other world markets
- Available Multi-Region AC outlet is compatible with a variety of AC plug types

US

Central Europe

UK

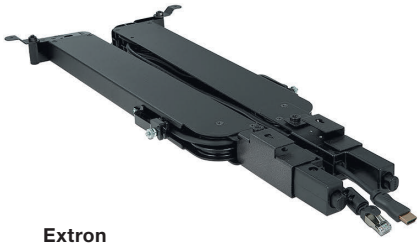
Multi-Region

Model	Version Description	Part Number
HSA 300 US	US - Black Anodized	60-1422-0A
HSA 300 EU	EU - Black Anodized	60-1422-0D
HSA 300 MULTI	Multi-Region - Black Anodized	60-1422-0J
HSA 300 UK	UK - Black Anodized	60-1422-0B
HSA 200/222/300 Routing Template	HSA 200/222/300 Routing Template	70-237-02

NOW SHIPPING

TMK 120 R

Table Mount Kit for Two Retractors

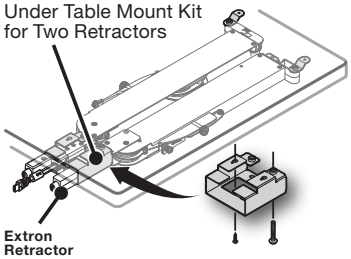


The Extron TMK 120 R is a compact, under-table mount kit for two Extron Retractor Series/2 or Retractor Series/2 XL cable retraction modules. The TMK 120 R is designed to mount the Retractors close against the furniture surface, providing maximum leg room below the installed modules and minimizing the potential for clothing snags. The kit includes brackets to support both the user end of the Retractor at the table's edge and the under-table portion of the module housing. The TMK 120 R is available in a durable, black powder coat finish to match other TMK 100 Series under-table mounts.

FEATURES

- Accommodates two Retractor Series/2 or Retractor Series/2 XL Series cable retraction modules
- Fully supports mounted Retractors at both ends for a durable, secure installation
- Retractors mount close against the furniture surface for maximum leg room
- Included brackets support both ends of the Retractor module
- Durable black powder coat finish matches other TMK 100 Series mount kits

Extron
TMK 120 R
Under Table Mount Kit
for Two Retractors



Extron
Retractor
Cable Retraction System
for Cable Cubby Enclosures

Model	Version Description	Part Number
TMK 120 R	Mounts up to 2 Retractors - Black	70-1031-05

NOW SHIPPING

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

ARCHITECTURAL CONNECTIVITY

AAP SuperPlate Series

AAP - Architectural Adapter Plate for HDMI, DisplayPort, VGA, Stereo Audio, and USB

The AAP SuperPlate Series are double-space AAP - Architectural Adapter Plates with convenient, pass-through connectivity for HDMI, DisplayPort, VGA, Stereo Audio, or USB signals. For ease of installation, all connections utilize short, female to female pigtail cables.

FEATURES

- Double-space AAP – Architectural Adapter Plates for HDMI, DisplayPort, VGA, Stereo Audio, or USB
- Signals passed through unprocessed
- Supports DDC transmission
- Supports EDID communication for HDMI and VGA sources

AAP SuperPlate 100

AAP SuperPlate 110

AAP SuperPlate 120

AAP SuperPlate 130

Model	Version Description	Part Number
AAP SuperPlate 100	HDMI, VGA, Audio, USB - Black	70-1076-02
AAP SuperPlate 100	HDMI, VGA, Audio, USB - White	70-1076-03
AAP SuperPlate 110	HDMI, DisplayPort, Audio, USB - Black	70-1076-12
AAP SuperPlate 110	HDMI, DisplayPort, Audio, USB - White	70-1076-13
AAP SuperPlate 120	HDMI, DisplayPort, VGA, Audio - Black	70-1076-22
AAP SuperPlate 120	HDMI, DisplayPort, VGA, Audio - White	70-1076-23
AAP SuperPlate 130	(2) HDMI, VGA, Audio - Black	70-1076-32
AAP SuperPlate 130	(2) HDMI, VGA, Audio - White	70-1076-33

NOW SHIPPING

One HDMI Female to Female on 10" Pigtail and One Momentary Switch on 4" Pigtail

AAP – Architectural Adapter Plate

FEATURES

- Size: Single-space AAP
- Type: Installation
- Momentary contact closure switch with LED indicator
- Switch can be wired Normally Open or Normally Closed
- Ideal for use in TeamWork® collaboration systems

NOW SHIPPING

Model	Version Description	Part Number
HDMI & Switch	Black	70-1091-02

One Momentary Switch to Captive Screw on 4" Pigtail

MAAP – Mini Architectural Adapter Plate

FEATURES

- Size: Single-space MAAP
- Type: Installation
- Momentary contact closure switch with LED indicator
- Switch can be wired Normally Open or Normally Closed
- Works with Cable Cubby 202 US, part # 60-1399-02, sold separately

NOW SHIPPING

Model	Version Description	Part Number
Switch	Black	70-1077-02

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

SWITCHERS

CCR 30

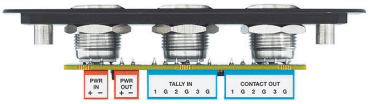
Contact Closure Remote with Three LED Switches

The Extron CCR 30 provides simple, remote control of input selection on Extron switchers or control modules with contact closure control ports. The CCR 30 features three brushed aluminum pushbutton switches with blue LED ring lights for visual feedback. Switches can be individually configured for latching or momentary operation. The LEDs can be powered by any available 12 VDC, 1 A power supply. To streamline installation, a +12 VDC power loop-out port allows sharing of external power with another Extron product. The LEDs can be controlled by the tally outputs on Extron switchers such as the MPS 601, or by an integrated tally driver circuit. The CCR 30 features a black anodized metal faceplate that complements Extron Cable Cubby Series/2 furniture-mountable enclosures.

FEATURES

- Three-button contact closure remote control panel for Extron switchers or control modules with contact closure ports
- Switches can be individually configured for latching or momentary operation
- LED ring lights provide visual feedback of switch status
- Individually selectable internal or external tally input for control of LED lighting modes
- LEDs can be powered by any external 12 VDC, 1 A power supply
- +12 VDC loop-out power port
- Black anodized faceplate complements Cable Cubby Series/2 enclosures
- Hidden clamps secure the faceplate to the furniture surface without tools or visible screws
- Convenient captive screw connectors for fast termination and installation
- Custom, laser-etched faceplate labeling is available for easy identification of switch functions
- Dimensions: 4.5" W x 1.75" H x 4" D (11.4 cm W x 4.4 cm H x 10.1 cm D)

CCR 30 shown with optional labeling



NOW SHIPPING

Model	Version Description	Part Number
CCR 30	Three LED switches, black	60-1446-02

MOUNTING HARDWARE

UTM 100 Series

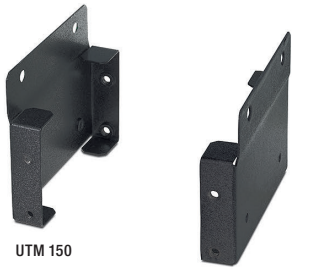
Under Table Mounts for 1U and 2U Full Rack Width Products

The Extron UTM 100 Series is a unique, self-supporting under-table mount system for 1U and 2U full rack width products. The UTM 100 Series is designed for use in environments where a traditional equipment rack or cabinet cannot be located beneath a table top or other furniture surface. The UTM system works with most Extron full-rack width enclosures, as well as Extron RSF, RSB, and RSU Series Rack Shelves, for optimum flexibility. The UTM 100 Primary Bracket mounts directly to the undersurface of the table top, providing a small gap for optimum airflow and cooling of top-vented enclosures. For additional capacity, one or more UTM 150 Secondary Brackets can be attached to the UTM 100, up to the total supported weight of 30 lbs (13.6 kg). UTM Series mounts are finished in a durable gray powder coat finish to match other Extron products.

FEATURES

- Compact, self-supporting under table mounting system for 1U and 2U full rack width products
- UTM 100 Primary Bracket mounts directly to the undersurface of furniture
- UTM 150 Secondary Brackets mount to the UTM 100 for additional capacity
- Supports most Extron full rack enclosures and rack shelves
- Supports up to 30 lbs (13.6 kg) total installed weight
- Available in a gray powder coat finish

UTM 100


UTM 150

NOW SHIPPING

Model	Version Description	Part Number
UTM 100	Primary Mount, Gray	70-1085-01
UTM 150	Secondary Mount, Gray	70-1085-02

UTM Series shown with optional products; sold separately

For updated product availability, go to www.extron.com

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

CABLES & ADAPTERS

DPH 101

DisplayPort to HDMI Active Adapter

The Extron DPH 101 is a compact one input, one output DisplayPort to HDMI active adapter. Incoming signals from Type 2 enabled, 4K-capable Dual-Mode DisplayPort sources are equalized up to 15 feet (4.5 m) at the input to compensate for signal loss. The DPH 101 then reconditions the signal, ensuring signal integrity up to an additional 15 feet (4.5 m) from the output to the connected HDMI device. The DPH 101 is HDCP compliant, and supports data rates up to 10.2 Gbps and 4K/30p video resolutions. The DPH 101 can be powered by a power supply shared with another Extron product or an optional 12V 1A power supply. The DPH 101 is ideal for AV applications that require the integration of DisplayPort equipped sources into HDMI system designs.

FEATURES

- Provides connectivity between Type 2 enabled, 4K-capable Dual-Mode DisplayPort equipped sources and HDMI sink devices
- Equalizes incoming DisplayPort signals up to 15 feet (4.5 meters) to compensate for signal loss due to low quality cables or marginal sources
- Reconditions HDMI signals at the output to ensure signal integrity up to 15 feet (4.5 m) to the connected HDMI device
- Supports computer video to 2560x1600, HDTV 1080p/60 Deep Color, and 4K resolutions
- Passes EDID information from HDMI display to the source
- HDCP compliant

NOW SHIPPING

Model	Version Description	Part Number
DPH 101	DisplayPort F-HDMI F, Active Adapter	60-1379-01

CTU 45

Universal RJ-45 Termination Tool

The Extron CTU 45 is a crimp tool for terminating Extron XTP DTP 24 shielded twisted pair cables with Extron XTP DTP 24 Plugs. The Extron engineered, precision-machined crimp die provides accurate and consistent crimp connections. In a single cycle, the CTU 45 simultaneously crimps the plug contacts and the metal strain relief. The rugged, light-weight ratchet-controlled frame enables minimal, one-hand effort for complete crimp cycles. The user-replaceable die also fits other modular, shielded or un-shielded RJ-45 plug types. The CTU 45 is ideal for terminating Extron digital twisted pair and other standard networking cables.

FEATURES

- Designed for use with Extron XTP DTP 24 shielded twisted pair cables and XTP DTP 24 Plugs
- Also compatible with other modular, shielded or unshielded RJ-45 plug types
- Compatible with keyed and non-keyed modular plugs
- One-step operation simultaneously crimps plug contacts and metal strain relief
- Color-coded wiring diagram label
- Rugged, lightweight ratchet-controlled frame
- Tested for reliable performance to 50,000 cycles minimum

NOW SHIPPING

Model	Version Description	Part Number
CTU 45	RJ-45 Crimp Tool	101-024-01

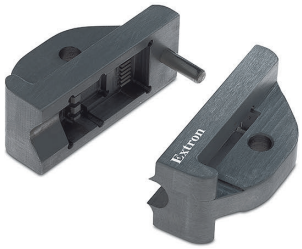
CTU RJ-45 Die

Universal RJ-45 Replacement Crimp Die

The Extron CTU RJ-45 Die is a replacement crimp die for the Extron CTU 45 Universal RJ-45 Termination Tool. The die is designed to crimp Extron XTP DTP 24 Plugs and other modular, shielded or un-shielded RJ-45 plug types. In a single cycle, the Extron engineered, precision-machined crimp die simultaneously crimps the plug contacts and the metal strain relief for accurate and consistent crimp connections. The CTU RJ-45 Die also fits Extron CTU 300 Four-In-One Crimp Termination Tool frames, making the CTU 300 an ideal, single-tool solution for terminating both coaxial and twisted pair cables.

FEATURES

- Replacement die set for the Extron CTU 45 termination tool
- Designed for use with Extron XTP DTP 24 shielded twisted pair cables and XTP DTP 24 Plugs
- Also compatible with other modular, shielded or unshielded RJ-45 plug types
- Compatible with keyed and non-keyed modular plugs
- One-step operation simultaneously crimps plug contacts and metal strain relief
- Also fits Extron CTU 300 Coax Crimp Termination Tool frames



NOW SHIPPING

Model	Version Description	Part Number
CTU RJ-45 Die	RJ-45 Replacement Die for CTU 45	101-025-01

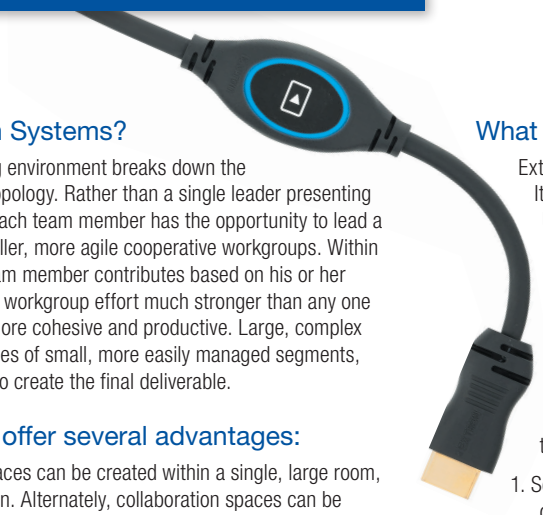
Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

COLLABORATION SYSTEMS



What are Collaboration Systems?

The collaborative work or learning environment breaks down the traditional, large working group topology. Rather than a single leader presenting a topic to other team members, each team member has the opportunity to lead a presentation or discussion in smaller, more agile cooperative workgroups. Within the collaborative setting, each team member contributes based on his or her core strengths, making the whole workgroup effort much stronger than any one individual member and, in turn, more cohesive and productive. Large, complex projects can be divided into a series of small, more easily managed segments, which are then brought together to create the final deliverable.

Collaboration systems offer several advantages:

- Multiple, smaller workgroup spaces can be created within a single, large room, thus maximizing space utilization. Alternately, collaboration spaces can be created within an existing work area or classroom, allowing workgroups to meet on an ad hoc basis, quickly and easily, without disrupting the work of others in the room.
- Workgroups can be formed, or re-formed, as project needs develop or change over time.
- Workgroups can be varying sizes, typically from as few as two members to as many as eight, depending on the scope of work to be accomplished by each group. Individual team members can be part of one or more workgroups, based on their areas of expertise.
- Workgroups can meet as needed, whether once a week or several times each day, coming together to discuss the project, problem, breakthrough, or obstacle.

What is Extron TeamWork®?

Extron TeamWork is a new concept in collaborative AV system design. It works with virtually any furniture system, new or currently in use. Unlike other collaborative systems that are designed around specific, proprietary furniture systems that must be installed new, TeamWork can be installed with any classroom or business furniture system. In fact, there's a very good chance that TeamWork can be installed with the furniture system you're using today.

Fully Customizable

TeamWork is fully customizable to meet any collaboration need in three easy steps:

1. Select a switcher and the appropriate combination of HDMI, DisplayPort, or VGA "Show Me" cables or Retractors
2. Select an IP Link control processor
3. Select a Cable Cubby enclosure or Table Mount Kit

Pre-configured TeamWork packages, for four to six users, are also available for fast implementation with minimal setup.

Simple, intuitive operation: Extend - Connect - Share

TeamWork operation is simple and intuitive. To start the TeamWork system, simply connect one of the system's "Show Me" control cables to the video output on your device. As soon as an active signal is detected, the display will be powered on. By pressing the "Share" button on your "Show Me" cable, the button lights and the switcher automatically selects the appropriate input. When you're done, simply disconnect your laptop and walk away. An integrated inactivity timer automatically turns off the display after a pre-determined time period. TeamWork facilitates collaboration without getting in the way.

TeamWork
DIGITAL COLLABORATION SYSTEMS

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

COLLABORATION SYSTEMS

Customize Your TeamWork Systems

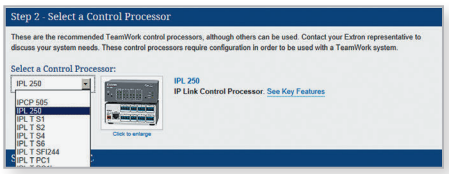
Extron TeamWork® is a fully customizable collaboration system that can be easily tailored to fit collaboration requirements for up to eight users, in three easy steps:

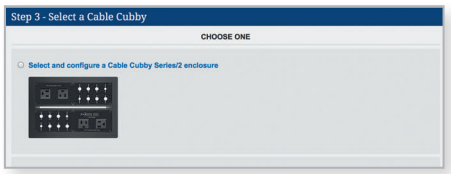
Step 1
Select a switcher and "Show Me" Cables or Retractors

Step 2
Select an Extron IP Link® control processor

Step 3
Select a Cable Cubby® Enclosure or Table Mount Kit

Step 1 - Select a TeamWork Switcher and "Show Me" Cables
Select a Switcher:
MPS 601
Media Presentation Switcher. See Key Features
HDMI SM
HDMI "Show Me" Cable for TeamWork Collaboration Systems
Cable Length:
Quantity:





The online **TeamWork System Builder** quickly steps you through the creation of a custom TeamWork system. Choose from a wide range of Extron products to select the switcher and "Show Me" cables or Retractors, IP Link control processor, and Cable Cubby enclosure or Table Mount Kit that are best suited for your collaboration environment. There are many Extron products suitable for TeamWork applications. For more information or to discuss a particular collaboration system requirement, contact your Extron representative.

TeamWork 601

Pre-Configured Collaboration System for Four Digital and Two Analog Sources

The Extron TeamWork® 601 is a complete, pre-configured collaboration system for four digital and two analog sources. The package includes four HDMI and two VGA "Show Me" cables, a switcher, a system controller, a Cable Cubby® Series/2 enclosure, and other necessary system cables. The system supports up to four digital laptops or tablets, and two legacy analog computer video and audio sources, without the need for additional signal conversion equipment. The included MPS 601 switcher digitizes analog signals so that they can be switched to the display, along with native HDMI signals, on a single HDMI cable. TeamWork 601 works with virtually any new or existing furniture system. Optional mounting hardware facilitates different collaboration table or work surface designs.

FEATURES

- Complete collaboration system for groups of four to six users
- Four digital and two analog inputs
- Digitizes legacy analog computer and audio sources
- HDMI and analog signals are switched to the display on a single HDMI cable
- Works with virtually any new or existing furniture system
- Works with most flat panel displays, laptops, and tablets
- Pre-configured for fast, easy installation
- Cable Cubby Series/2 AC Power Modules for TeamWork 601i sold separately; two required per system

NOW SHIPPING

Model	Version Description	Part Number
TeamWork 601	120 VAC, with US AC outlets	42-241-01
TeamWork 601i	220 VAC; AC outlets sold separately	42-241-02

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

COLLABORATION SYSTEMS

Retractor SM

"Show Me" Cable Retraction Modules for TeamWork Collaboration Systems

The Extron Retractor SM "Show Me" cable retraction modules provide the user interface for HDMI, DisplayPort, Mini DisplayPort, or VGA sources in an Extron TeamWork® Collaboration System. Connect the "Show Me" cable to your source device and press the "Share" button to share your content on the main presentation display. Retractor SM cables extend up to three feet (90 cm) and are held securely in place at the desired length. At the end of the collaboration session, cables retract with the press of a button, ready for use by the next collaboration team. HDMI and VGA models pass signals from the connected sources without processing. The DisplayPort and Mini DisplayPort models actively adapt dual-mode DisplayPort signals to HDMI for use with a TeamWork switcher. Retractor SM modules are designed to work with Cable Cubby® 500, Cable Cubby 700, Cable Cubby 1200, and Cable Cubby 1400 next-generation cable access enclosures, as well as the TMK 120 R Table Mount Kit for under-table applications.

FEATURES

- Designed for use with most Cable Cubby Series/2 cable access enclosures
- Engineered for long life and reliability in high-utilization environments
- Simple, intuitive operation: Extend – Connect – Share
- "Share" button lights as it switches the connected source to the main presentation display
- Cables extend up to three feet (90 cm)
- Holds cable in place at a user-defined length
- Simple push-button release retracts cable after use
- Precise variable-speed cable retraction control provides more than 50 steps of adjustment between 1.5 and 4.0 seconds
- Retractor SM Mounting Bracket Kits, for three or four cable retraction modules, and Horizontal Mounting Bracket Kit, sold separately
- Retractor SM Filler Module facilitates cable pass-through for audio or network cables

Integrator-adjustable retraction speed control

NOW SHIPPING

Model	Version Description	Part Number
Retractor SM HDMI	HDMI "Show Me"	70-1065-14
Retractor SM VGA	VGA "Show Me"	70-1065-15
Retractor SM DP-HDMI	DisplayPort to HDMI "Show Me"	70-1065-16
Retractor SM MDP-HDMI	Mini DP to HDMI "Show Me"	70-1065-17
Retractor SM Cable Cubby Mount - Triple	Cable Cubby 500/700; Holds 3 Modules	70-1065-33
Retractor SM Cable Cubby Mount - Triple	Cable Cubby 1200/1400; Holds 3 Modules	70-1065-31
Retractor SM Cable Cubby Mount - Quad	Cable Cubby 1200/1400; Holds 4 Modules	70-1065-32
Retractor SM Horizontal Bracket Kit	Supports Three Retractor SM Modules	70-1065-30
Retractor SM Filler Module	With Blank & Cable Pass-through Plates	70-1065-34

For updated product availability, go to www.extron.com

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

Extron 4K Solutions

High-Performance Video Solutions for 4K and Ultra HD Video

The next challenge facing system designers is figuring out how to implement AV systems that support 4K signals. Extron is ready with service, support, and solutions to meet your 4K requirements. Extron 4K video solutions provide high-performance signal extension, routing, and distribution systems for 4K and Ultra HD - UHD digital video signals. Whether designing for simulation, defense, medical, theater, themed attraction, or other applications, Extron delivers service, support, and the right solution to ensure your project is a success.

For assistance designing your 4K AV system, please contact your local Extron Customer Support representative. An Extron Applications Engineer will be assigned to your project and will work with you to ensure your complete satisfaction.

Extron Products Support 4K

Extron provides a wide variety of 4K ready product solutions, including videowall processors, streaming encoders and decoders, media players, and fiber optic and twisted pair signal distribution products. Look for the **4K/UHD** or **4K/UHD Ready** logo.

Products displaying the 4K/UHD logo are available today, and integrate easily into a wide range of 4K and UHD environments.

Products displaying the 4K/UHD Ready logo provide a future-ready upgrade path for new formats with higher resolutions such as 4K and UHD video.

- Support 4K, UHD, DisplayPort, HDMI, DVI, and 3G-SDI video - Extron 4K video solutions support a wide range of video formats and resolutions.
- Twisted pair, fiber optic, signal processing, streaming, and playback solutions available
- DTP 230 and DTP 330 extenders transmit 4K and UHD signals up to 330 feet (100 meters) over a single shielded twisted pair cable
- DTP CrossPoint 84 supports 4K and UHD signals at all inputs and HDMI outputs
- XTP CrossPoint® matrix frames are 4K and UHD ready
- Quantum videowall processors support a variety of 4K and UHD applications
- VN-Matrix 250 systems stream 4K content with visually lossless quality and minimal latency
- Configure JMP 9600 2K media players into 4K content playback systems
- FOX Series extenders transmit 4K and UHD signals very long distances over fiber optic cabling
- FOX Series matrix switchers available in I/O sizes from 8x8 to 1000x1000 and larger
- Fiber optic products available as an 850 nm multimode model for moderate-range transmissions up to 2 km (1.25 miles) and a 1310 nm singlemode model for extreme distances up to 30 km (18.75 miles)

To get started with Extron 4K Solutions
call your Extron customer support representative

Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

Extron CERTIFIED

Extron Control Systems Certification Programs

Establish Your Knowledge of Extron Pro Series Control Systems

We have launched two new Extron Control Systems Certification programs designed to prepare individuals to successfully deploy and maintain customized AV control systems that are built around our recently-launched IP Link® Pro Series and TouchLink® Pro Series products. The **Extron Control Specialist – ECS and Extron Control Professional – ECP** certifications focus on control system customization for a wide range of applications, advanced device communications, troubleshooting, and best practices.

Certification Comparison

Extron Control Specialist - ECS

Audience

This program is ideal for industry professionals who install, configure, operate, manage, and troubleshoot Extron Pro Series control systems. This includes design engineers, AV system installers, and system integration project managers. AV control system design and installation experience is recommended.

Delivery Method

ECS is delivered through instructor-led training. To achieve certification, students must also pass an Extron-proctored exam.

Course Content

ECS is a two-day course consisting of the following general categories:

- Learn Global Configurator Plus software, and use its powerful capabilities to configure and manage Extron Pro Series control systems
- Control system design concepts
- Configure a wide range of room control functions using Global Configurator Plus
- Create custom control interfaces using GUI Designer software, plus GUI design best practices
- Validate Pro Series control systems in multiple AV environments

Extron Control Professional - ECP

Audience

This program is ideal for advanced users or control system programmers who understand the complexities of more sophisticated systems. A background of 2-5 years of AV control system design, programming, and installation experience is recommended.

Delivery Method

ECP is delivered through instructor-led training. To achieve certification, students must also pass an Extron-proctored hands-on exam.

Course Content

ECP is a three-day course consisting of the following general categories

- Learn Global Configurator Professional software, and how to take advantage of the advanced features for more complex system designs
- Sophisticated control system design concepts and advanced configuration techniques
- Create custom control interfaces using GUI Designer software, plus GUI design best practices
- Validate complex Pro Series control systems in multiple AV environments

Learn More

To find out more about the Extron Control Systems Certification programs, contact your Extron S3 Customer Support Representative.

Europe
+31.33.453.4040 / +800.3987.6673
+31.33.453.4050 FAX

Middle East
+971.4.299.1800
+971.4.299.1880 FAX

Asia
+65.6383.4400 / +800.7339.8766
+65.6383.4664 FAX

China
+86.21.3760.1568 / +4000.398766
+86.21.3760.1566 FAX

Japan
+81.3.3511.7655
+81.3.3511.7656 FAX

Extron

Notes

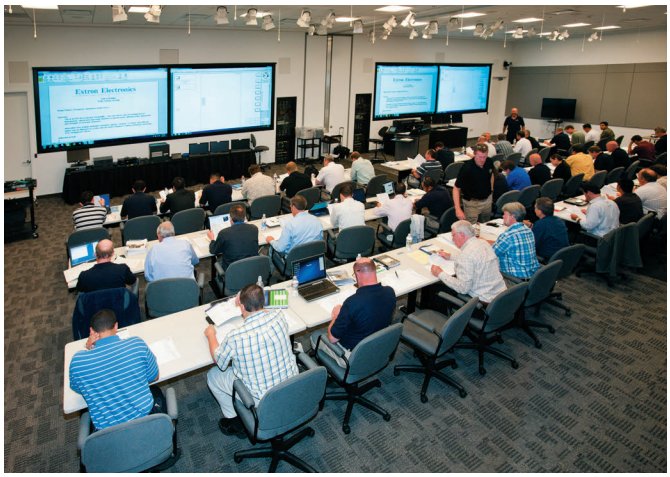
Extron

USA West
+1.714.491.1500 / +800.633.9876
+1.714.491.1517 FAX

USA East
+1.919.850.1000 / +800.633.9876
+1.919.850.1001 FAX

www.extron.com
© 2015 Extron Electronics. All rights reserved.
Prices and specifications subject to change without notice.

Extron CERTIFIED



XTP Systems Certification Program

Establish Your Knowledge of Digital Systems

The Extron XTP Systems Certification programs are designed to prepare individuals to successfully deploy and maintain enterprise-wide digital systems based on Extron XTP Systems. The **XTP Systems Design Engineer – XTP-E and XTP Systems Technician – XTP-T** certifications provide a balanced approach to theory and hands-on application. XTP-E focuses on the practical aspects of designing digital AV systems, while XTP-T provides an emphasis on the practical aspects of installing, configuring, and commissioning digital AV systems.

Certification Comparison

XTP Systems Design Engineer – XTP-E

Audience

This program is ideal for individuals who will be required to design Extron XTP Systems.

Delivery Method

XTP-E is delivered through online course material and instructor-led training. Once enrolled, students are required to pass an online exam for Digital AV Technologies. To achieve certification, students must also attend an instructor-led course and pass an Extron-proctored system design exam.

Course Content

XTP-E is a two-day course consisting of the following general categories:

- XTP Systems theory, including the general principles of XTP System design within multiple AV environments
- Complete XTP System design concepts
- Complex system configuration
- Designing for real-world scenarios

XTP Systems Technician – XTP-T

Audience

This program is ideal for individuals who will be required to install, configure, and commission Extron XTP Systems.

Delivery Method

XTP-T is delivered through online course material and instructor-led training. Once enrolled, students are required to pass online exams for the online courses. To achieve certification, students must also attend an instructor-led course and pass an Extron-proctored, two-part exam consisting of a written portion and a hands-on component.

Course Content

XTP-T is a two-day course consisting of the following general categories:

- XTP Systems installation concepts
- Complex system configuration
- Commissioning a system in a variety of applications
- Hands-on sessions that involve setting up and configuring a system according to a scope of work and system schematic
- Validate an XTP System installation in multiple AV environments
- Troubleshooting XTP Systems

Learn More

To find out more about the Extron XTP Systems Certification programs, contact your Extron S3 Customer Support Representative.

Worldwide Sales Offices

Anaheim • Raleigh • Silicon Valley • Dallas • New York • Washington, DC • Toronto • Mexico City • Paris • London • Frankfurt
Amersfoort • Moscow • Dubai • Johannesburg • New Delhi • Bangalore • Singapore • Seoul • Shanghai • Beijing • Tokyo

UNITED STATES
+800.633.9876
Inside USA/Canada
+1.714.491.1500

EUROPE
+800.3987.6673
Inside Europe
+31.33.453.4040

ASIA
+800.7339.8766
Inside Asia
+65.6383.4400

MIDDLE EAST
+971.4.299.1800

www.extron.com

© 2015 Extron Electronics. All rights reserved. All trademarks mentioned are the property of their respective owners. Prices and specifications subject to change without notice.

01-2015
68-2756-01
REV. A
Letter - English - USD